

Converting Colors

XYZ(76.2251, 89.0996, 67.6237)

Have a look what the booklet for
XYZ(76.2251, 89.0996, 67.6237)
contains.

XYZ(76.2865, 89.3332, 67.8659)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.2865, 89.3332,
67.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FBC8
RGB	226, 251, 200
RGB Percent	89%, 98%, 78%
CMY	0.1137, 0.0157, 0.2157
CMYK	0.10, 0.00, 0.20, 0.02
HSL	89°, 86%, 88%
HSV	89°, 20%, 98%
XYZ	76.2865, 89.3332, 67.8659
YIQ	237.7110, 1.4710, -21.1610

Conversions

Conversions Part 2

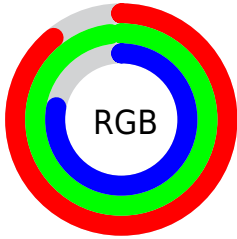
Format	Color
R_{YB}	200, 251, 225
Decimal	14875592
CIE _{Lab}	95.72, -16.88, 21.78
CIE _{LCh}	96, 27.557, 127.787
Yxy	89.3332, 0.3267, 0.3826
Android (android.graphics.Color)	4293065672 (0xFFE2FBC8)
YUV	237.7110, -18.5915, -10.2705
Hunter-Lab	94.5162, -21.3315, 23.5891

Details

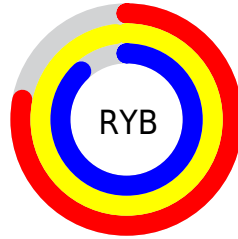
The XYZ color **76.2865, 89.3332, 67.8659** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1218, 64.2836, 100.0364**, and the grayscale version is **81.1850, 85.4129, 93.0146**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0577, 49.2049, 34.5277** is the 20% darker color. If you saturate the color by 10%, you get **69.8698, 86.3395, 53.4894**, and if you desaturate by 10%, it is **83.4665, 92.6701, 84.7956**.

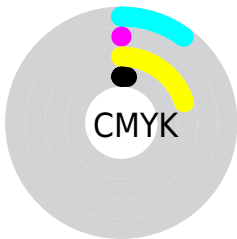
Distribution



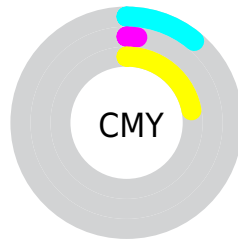
- Red (89%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)



- Cyan (11%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2865, 89.3332, 67.8659 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.2865, 89.3332, 67.8659 by changing the saturation by 10% instead.

76.2865, 89.3332,
67.8659

76.2865, 89.3332,
67.8659

471.2572,
525.8594, 471.6059

56.9653, 67.4277,
49.3226

127.1100,
146.4118, 117.8127

41.2174, 49.4323,
34.5081

159.3431,
182.3538, 150.0533

28.6775, 34.9625,
23.0037

196.6108,
223.7434, 187.6967

18.9800, 23.6340,
14.3909

239.2786,
270.9650, 231.1616

11.7598, 15.0624,
8.2512

287.7118,
324.4030, 280.8664

6.6513, 8.8632,
4.1660

342.2757,

3.2894, 4.6520,

384.4418, 337.2297

1.7169

403.3357,
451.4658, 400.6700

■ 1.3086, 2.0446,
0.3722

■ 0.1896, 0.6332,
0.0000

■ 76.2865, 89.3332,
67.8659

■ 76.2865, 89.3332,
67.8659

■ 69.8698, 86.3395,
53.4894

■ 83.4665, 92.6701,
84.7956

■ 64.1802, 83.6651,
41.5365

■ 91.4304, 96.3502,
104.3883

■ 59.1885, 81.3005,
31.8749

■ 93.7890, 97.4780,
108.4797

■ 54.8608, 79.2314,
24.3570

■ 51.1594, 77.4420,
18.8185

■ 48.0419, 75.9146,
15.0709

■ 45.4587, 74.6285,
12.8893

■ 43.3933, 73.5831,
11.9159

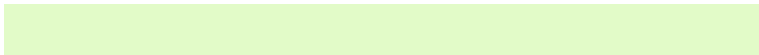
Harmonies

Analogous

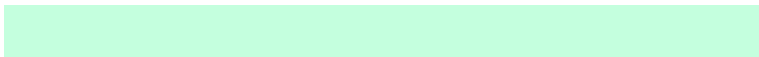
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9489, 89.3332, 61.4926



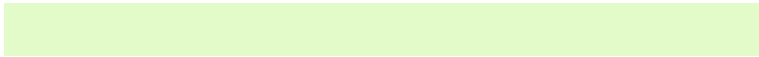
76.2865, 89.3332, 67.8659



72.1159, 89.3332, 82.3243

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2865, 89.3332, 67.8659



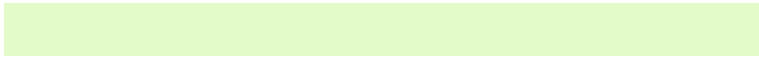
79.5161, 89.3332, 141.2620



100.1852, 89.3332, 91.7215

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.2865, 89.3332, 67.8659



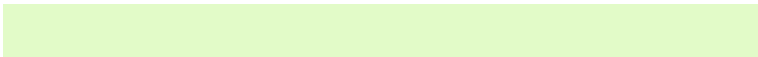
69.1218, 64.2836, 100.0364

Split Complementary

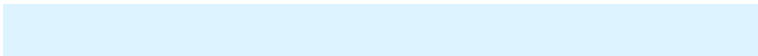
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.1310, 89.3332, 113.9203



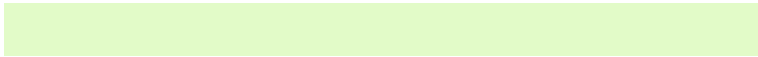
76.2865, 89.3332, 67.8659



86.8988, 89.3332, 144.7704

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



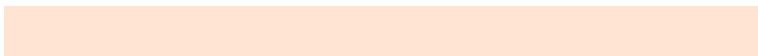
76.2865, 89.3332, 67.8659



73.9017, 89.3332, 125.1557



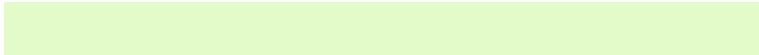
94.1569, 89.3332, 134.1319



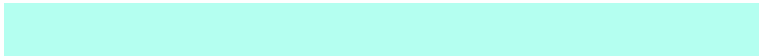
96.9574, 89.3332, 73.8661

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2865, 89.3332, 67.8659



71.1597, 89.3332, 95.6653



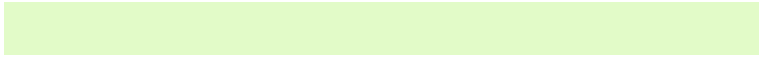
94.1569, 89.3332, 134.1319



100.3232, 89.3332, 98.8899

Sweetspot

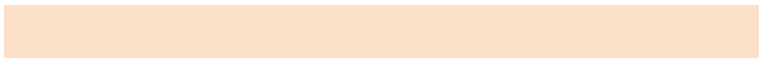
The Sweet Spot groups the original color and five complimentary colors.



76.2889, 89.3371, 67.8678



89.9776, 97.6585, 96.3122



77.0431, 78.3440, 65.7062



19.1446, 20.8501, 20.3347



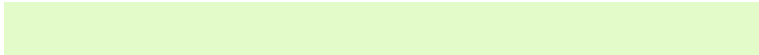
0.0000, 0.0000, 0.0000



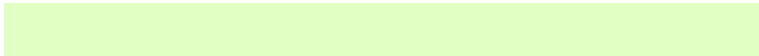
20.3446, 21.4041, 23.3091

Same Dimension

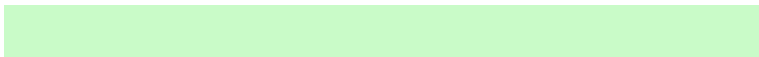
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2889, 89.3371, 67.8678



76.5253, 91.4130, 64.5324



68.9722, 85.5652, 67.5254



17.8610, 19.7441, 18.3320



22.9768, 38.7633, 6.2711



2.2504, 3.6532, 0.5865

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.1218, 64.2836, 100.0364



67.9770, 61.5306, 102.9016



77.5484, 68.6277, 100.4308



17.0933, 17.0607, 21.7774



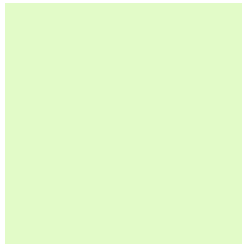
13.6177, 5.9629, 48.4068



1.3832, 0.6152, 4.4890

Previews

White Background



This preview shows how the XYZ color 76.2865, 89.3332, 67.8659 looks on a white background.

Color Contrast Check

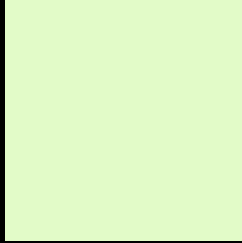
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.2865, 89.3332, 67.8659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

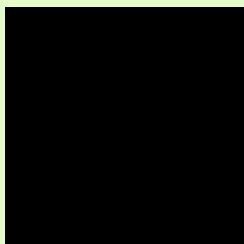
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

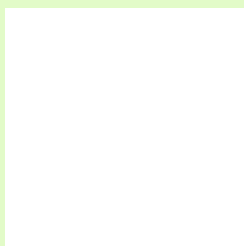
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.2865, 89.3332, 67.8659

Background



This preview shows how black text looks on a background with the XYZ color 76.2865, 89.3332, 67.8659.



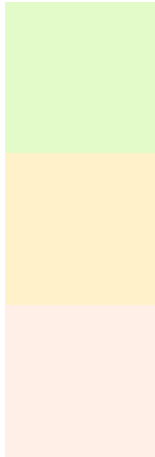
This preview shows how white text looks on a background with the XYZ color 76.2865, 89.3332,

67.8659.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.2865, 89.3332, 67.8659

Protanopia

83.7716, 89.0761, 69.2781

Deuteranopia

86.5303, 88.7625, 88.1735



Tritanopia

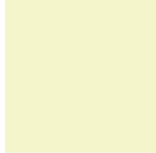
85.3605, 89.4983, 107.3837

Trichromacy



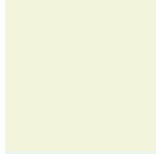
Original Color

76.2865, 89.3332, 67.8659



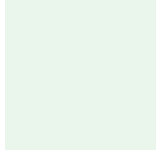
Protanomaly

80.6213, 88.8022, 68.7685



Deuteranomaly

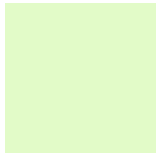
82.2771, 88.5016, 80.4562



Tritanomaly

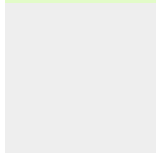
81.8828, 89.4021, 91.5379

Monochromacy



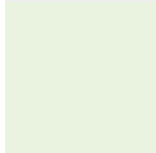
Original Color

76.2865, 89.3332, 67.8659



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.4368, 86.9754, 83.1222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2865, 89.3332, 67.8659 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(226, 251, 200)` looks like.

```
.text, #text, p{  
    color:rgb(226, 251, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(226, 251, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 251, 200) }
```

Border

The CSS property to change the border of an element to XYZ 76.2865, 89.3332, 67.8659 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 251, 200) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(226, 251, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(226, 251, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 251, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 251, 200);  
box-shadow:4px 4px 4px 4px rgb(226, 251,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2865, 89.3332, 67.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 251, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(226,  
251, 200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor