

Converting Colors

XYZ(77.8784, 89.4749, 67.9695)

Have a look what the booklet for
XYZ(77.8784, 89.4749, 67.9695)
contains.

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Color

**XYZ(77.8896, 89.6972,
67.8516)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FAC8
RGB	232, 250, 200
RGB Percent	91%, 98%, 78%
CMY	0.0902, 0.0196, 0.2157
CMYK	0.07, 0.00, 0.20, 0.02
HSL	82°, 83%, 88%
HSV	82°, 20%, 98%
XYZ	77.8896, 89.6972, 67.8516
YIQ	238.9180, 5.3220, -19.3660

Conversions

Conversions Part 2

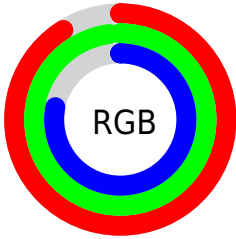
Format	Color
R _Y B	200, 250, 218
Decimal	15268552
CIE Lab	95.87, -14.31, 22.05
CIE LCh	96, 26.285, 122.973
Yxy	89.6972, 0.3308, 0.3810
Android (android.graphics.Color)	4293458632 (0xFFE8FAC8)
YUV	238.9180, -19.1866, -6.0671
Hunter-Lab	94.7086, -18.9393, 23.8192

Details

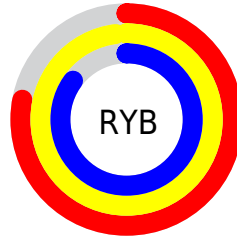
The XYZ color **77.8896, 89.6972, 67.8516** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.8267, 63.1186, 99.1084**, and the grayscale version is **82.1240, 86.4009, 94.0906**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3846, 49.8890, 34.5898** is the 20% darker color. If you saturate the color by 10%, you get **72.3564, 87.1579, 53.5677**, and if you desaturate by 10%, it is **84.0551, 92.5126, 84.6626**.

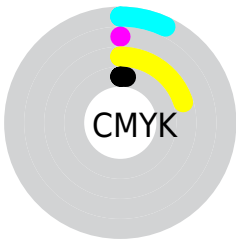
Distribution



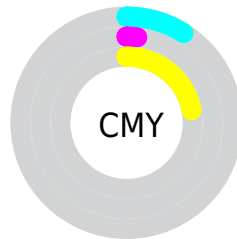
- Red (91%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8896, 89.6972, 67.8516 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 77.8896, 89.6972, 67.8516 by changing the saturation by 10% instead.

77.8896, 89.6972,
67.8516

77.8896, 89.6972,
67.8516

476.6374,
527.0454, 471.5538

58.2858, 67.7295,
49.3111

129.3607,
146.9177, 117.7920

42.2826, 49.6777,
34.4990

161.9586,
182.9394, 150.0290

29.5147, 35.1574,
22.9967

199.6186,
224.4144, 187.6686

19.6168, 23.7841,
14.3858

242.7061,
271.7274, 231.1292

12.2234, 15.1736,
8.2477

291.5863,
325.2625, 280.8296

6.9693, 8.9413,
4.1638

346.6247,

3.4891, 4.7029,

385.4043, 337.1881

1.7156

408.1866,
452.5371, 400.6233

■ 1.4174, 2.0740,
0.3714

■ 0.2685, 0.6500,
0.0000

■ 77.8896, 89.6972,
67.8516

■ 77.8896, 89.6972,
67.8516

■ 72.3564, 87.1579,
53.5677

■ 84.0551, 92.5126,
84.6626

■ 67.4230, 84.8726,
41.6830

■ 90.8695, 95.6023,
104.1089

■ 63.0643, 82.8339,
32.0668

■ 93.4775, 96.8550,
108.3758

■ 59.2505, 81.0297,
24.5740

■ 55.9484, 79.4464,
19.0423

■ 53.1203, 78.0687,
15.2865

■ 50.7219, 76.8785,
13.0853

■ 48.6815, 75.8469,
12.0741

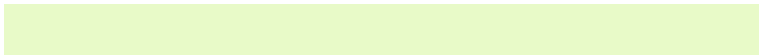
Harmonies

Analogous

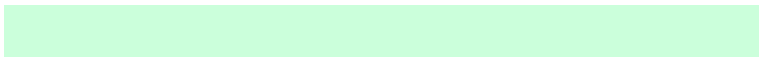
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5334, 89.6972, 62.9708



77.8896, 89.6972, 67.8516



73.4285, 89.6972, 80.6215

Triad

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



77.8896, 89.6972, 67.8516



79.0748, 89.6972, 137.7255



99.9493, 89.6972, 95.6087

Complementary

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



77.8896, 89.6972, 67.8516



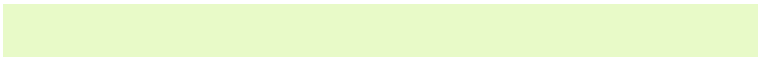
66.8267, 63.1186, 99.1084

Split Complementary

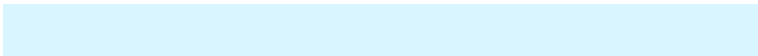
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.2866, 89.6972, 116.9557



77.8896, 89.6972, 67.8516



85.9797, 89.6972, 143.2126

Square

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



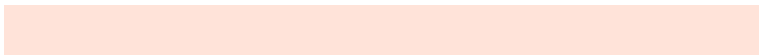
77.8896, 89.6972, 67.8516



74.0850, 89.6972, 121.0474



93.0696, 89.6972, 135.1376



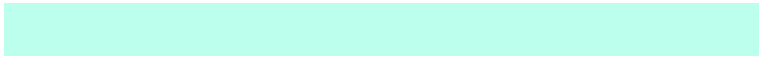
97.4937, 89.6972, 77.5061

Rectangle

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



77.8896, 89.6972, 67.8516



72.1525, 89.6972, 92.8613



93.0696, 89.6972, 135.1376



99.8537, 89.6972, 102.6316

Sweetspot

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



77.8920, 89.7011, 67.8535



90.6857, 98.0235, 96.3454



74.7949, 74.3810, 65.0597



19.3120, 20.9364, 20.3425



0.0000, 0.0000, 0.0000



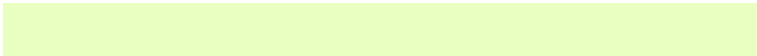
20.3446, 21.4041, 23.3091

Same Dimension

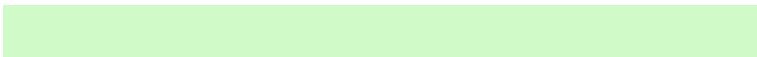
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8920, 89.7011, 67.8535



79.0674, 92.7235, 64.6514



70.4859, 85.8831, 67.5069



18.0857, 19.8600, 18.3425



25.9837, 40.3134, 6.4118



2.5223, 3.7934, 0.5993

Inverse Universe

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



66.8267, 63.1186, 99.1084



65.5680, 60.2887, 102.7888



74.7027, 67.1788, 99.4770



16.8729, 16.9471, 21.7671



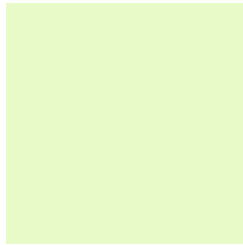
11.5330, 4.8882, 48.3092



1.1794, 0.5101, 4.4795

Previews

White Background



This preview shows how the XYZ color 77.8896, 89.6972, 67.8516 looks on a white background.

Color Contrast Check

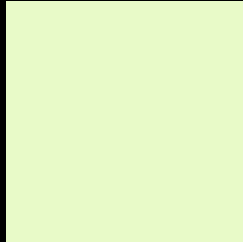
Large Text (above 18pt) WCAG AA × Fail

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 77.8896, 89.6972, 67.8516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

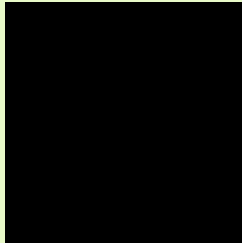
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

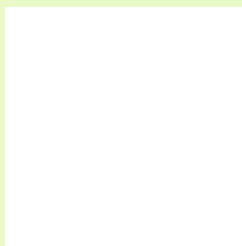
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8896, 89.6972, 67.8516

Background



This preview shows how black text looks on a background with the XYZ color 77.8896, 89.6972, 67.8516.



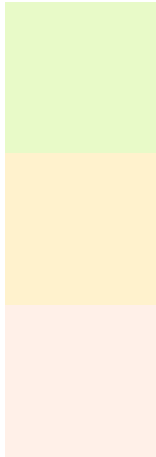
This preview shows how white text looks on a background with the XYZ color 77.8896, 89.6972,

67.8516.

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

77.8896, 89.6972, 67.8516

Protanopia

84.0116, 89.1720, 70.5416

Deuteranopia

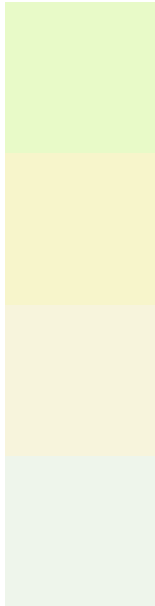
86.9656, 89.4064, 89.0175



Tritanopia

86.4201, 89.6015, 107.3477

Trichromacy



Original Color

77.8896, 89.6972, 67.8516

Protanomaly

81.7897, 89.3908, 69.4433

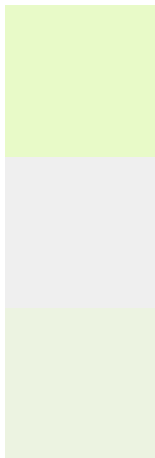
Deuteranomaly

83.6267, 89.6428, 80.6053

Tritanomaly

82.9077, 89.4801, 91.4989

Monochromacy



Original Color

77.8896, 89.6972, 67.8516

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.2333, 87.3703, 83.8696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8896, 89.6972, 67.8516 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(232, 250, 200)` looks like.

```
.text, #text, p{  
    color:rgb(232, 250, 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(232, 250, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 250, 200) }
```

Border

The CSS property to change the border of an element to XYZ 77.8896, 89.6972, 67.8516 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(232, 250, 200) }
```


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

```
.border{ border-color:rgb(232, 250, 200) }
```

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

Here you see how a box with a 4 pixel rgb(232, 250, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 250, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 250, 200);  
box-shadow:4px 4px 4px 4px rgb(232, 250,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8896, 89.6972, 67.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 250, 200) }
```

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

```
.background{ background-color: rgb(232,  
250, 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](#).

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