

Converting Colors

XYZ(76.9174, 86.8927, 68.5951)

Have a look what the booklet for
XYZ(76.9174, 86.8927, 68.5951)
contains.

XYZ(76.9174, 86.8927, 68.5951)	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(76.9174, 86.8927,
68.5951)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F5CA
RGB	233, 245, 202
RGB Percent	91%, 96%, 79%
CMY	0.0863, 0.0392, 0.2078
CMYK	0.05, 0.00, 0.18, 0.04
HSL	77°, 68%, 88%
HSV	77°, 18%, 96%
XYZ	76.9174, 86.8927, 68.5951
YIQ	236.5100, 6.6510, -15.9170

Conversions

Conversions Part 2

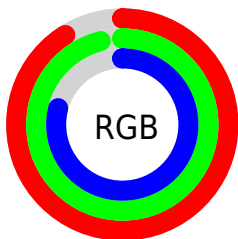
Format	Color
R _Y B	202, 245, 214
Decimal	15332810
CIE Lab	94.69, -11.18, 19.40
CIE LCh	95, 22.390, 119.960
Yxy	86.8927, 0.3310, 0.3739
Android (android.graphics.Color)	4293522890 (0xFFE9F5CA)
YUV	236.5100, -17.0134, -3.0783
Hunter-Lab	93.2163, -15.8392, 21.6216

Details

The XYZ color **76.9174, 86.8927, 68.5951** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.3368, 63.1321, 95.1329**, and the grayscale version is **80.2446, 84.4236, 91.9373**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6744, 47.8804, 35.0623** is the 20% darker color. If you saturate the color by 10%, you get **72.0548, 84.6976, 54.4081**, and if you desaturate by 10%, it is **82.3318, 89.3243, 85.2156**.

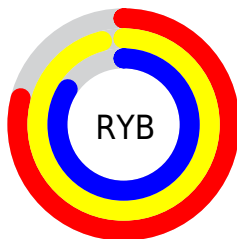
Distribution



Red (91%)

Green (96%)

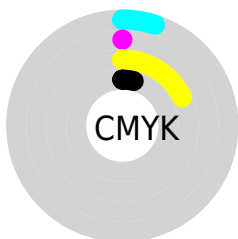
Blue (79%)



Red (79%)

Yellow (96%)

Blue (84%)

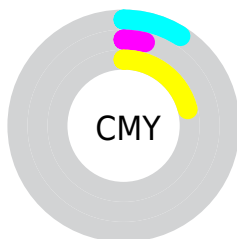


Cyan (5%)

Magenta (0%)

Yellow (18%)

Black (4%)



Cyan (9%)

Magenta (4%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9174, 86.8927, 68.5951 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 76.9174, 86.8927, 68.5951 by changing the saturation by 10% instead.

76.9174, 86.8927,
68.5951

76.9174, 86.8927,
68.5951

473.3786,
517.8702, 474.2568

57.4848, 65.4064,
49.9123

127.9963,
143.0146, 118.8653

41.6362, 47.7907,
34.9730

160.3734,
178.4189, 151.2898

29.0064, 33.6612,
23.3587

197.7959,
219.2315, 189.1320

19.2300, 22.6334,
14.6508

240.6293,
265.8366, 232.8104

11.9416, 14.3231,
8.4308

289.2389,
318.6186, 282.7436

6.7758, 8.3457,
4.2801

343.9901,

3.3674, 4.3169,

377.9619, 339.3500

1.7802

405.2482,
444.2510, 403.0482

■ 1.3509, 1.8524,
0.4149

■ 0.2208, 0.5195,
0.0000

■ 76.9174, 86.8927,
68.5951

■ 76.9174, 86.8927,
68.5951

■ 72.0548, 84.6976,
54.4081

■ 82.3318, 89.3243,
85.2156

■ 67.7145, 82.7184,
42.5347

■ 88.3122, 91.9896,
104.3706

■ 63.8743, 80.9490,
32.8533

■ 91.4015, 93.5086,
107.8393

■ 60.5075, 79.3786,
25.2291

■ 91.9442, 93.7883,
107.8647

■ 57.5849, 77.9954,
19.5123

■ 55.0730, 76.7860,
15.5328

■ 52.9327, 75.7345,
13.0903

■ 51.1128, 74.8203,
11.9201

■ 50.6973, 74.6099,
11.7291

Harmonies

Analogous

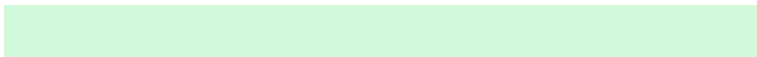
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5970, 86.8927, 65.0663



76.9174, 86.8927, 68.5951



72.9270, 86.8927, 78.9018

Triad

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



76.9174, 86.8927, 68.5951



76.9041, 86.8927, 126.4642



94.7701, 86.8927, 94.6345

Complementary

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



76.9174, 86.8927, 68.5951



65.3368, 63.1321, 95.1329

Split Complementary

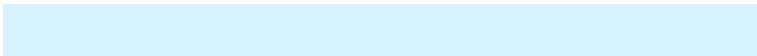
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.0686, 86.8927, 112.2789



76.9174, 86.8927, 68.5951



82.5808, 86.8927, 131.9696

Square

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



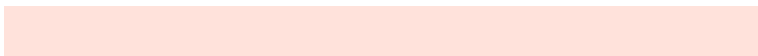
76.9174, 86.8927, 68.5951



72.9196, 86.8927, 112.2341



88.5326, 86.8927, 126.4922



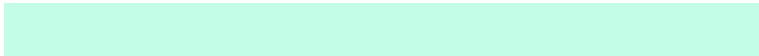
93.0773, 86.8927, 78.9372

Rectangle

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



76.9174, 86.8927, 68.5951



71.6608, 86.8927, 88.9243



88.5326, 86.8927, 126.4922



94.5751, 86.8927, 100.5359

Sweetspot

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



76.9197, 86.8965, 68.5970



91.7672, 98.5370, 98.3843



72.2317, 71.5030, 65.8728



19.5459, 21.0481, 20.7541



0.0000, 0.0000, 0.0000



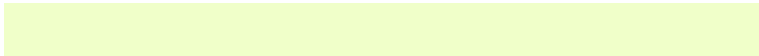
20.3446, 21.4041, 23.3091

Same Dimension

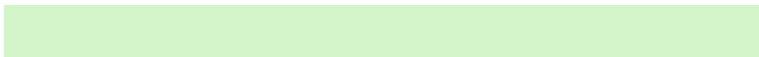
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9197, 86.8965, 68.5970



82.3083, 94.2925, 69.3985



70.4769, 83.5751, 68.2955



17.4374, 19.0675, 17.5589



27.4516, 40.2646, 6.3250



2.5123, 3.5902, 0.5606

Inverse Universe

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



65.3368, 63.1321, 95.1329



67.4785, 63.8631, 103.3781



71.8549, 66.4923, 95.4380



16.0154, 16.1506, 20.8158



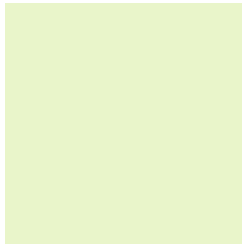
10.2932, 4.2807, 46.8218



1.0005, 0.4256, 4.1197

Previews

White Background



This preview shows how the XYZ color 76.9174, 86.8927, 68.5951 looks on a white background.

Color Contrast Check

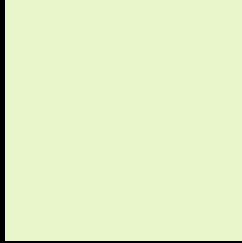
Large Text (above 18pt) WCAG AA × Fail

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 76.9174, 86.8927, 68.5951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

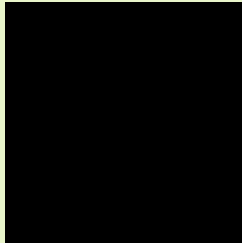
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

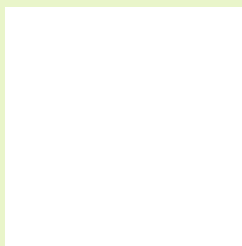
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9174, 86.8927, 68.5951

Background



This preview shows how black text looks on a background with the XYZ color 76.9174, 86.8927, 68.5951.

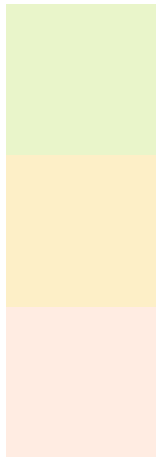


This preview shows how white text looks on a background with the XYZ color 76.9174, 86.8927,

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

76.9174, 86.8927, 68.5951

Protanopia

81.6833, 86.7392, 66.4700

Deuteranopia

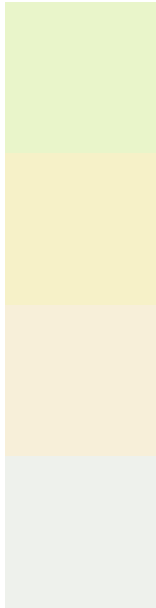
84.9629, 86.7419, 84.2163



Tritanopia

84.9002, 87.0698, 106.9392

Trichromacy



Original Color

76.9174, 86.8927, 68.5951

Protanomaly

79.8867, 86.6736, 67.1628

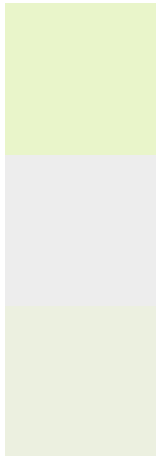
Deuteranomaly

81.7487, 86.5169, 78.0365

Tritanomaly

81.8555, 87.1439, 91.8631

Monochromacy



Original Color

76.9174, 86.8927, 68.5951

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.2067, 85.5349, 82.8562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9174, 86.8927, 68.5951 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(233, 245, 202)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 202)  
}
```

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(233, 245, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 202) }
```

Border

The CSS property to change the border of an element to XYZ 76.9174, 86.8927, 68.5951 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(233, 245, 202) }
```


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

```
.border{ border-color:rgb(233, 245, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 202);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9174, 86.8927, 68.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 202) }
```

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

```
.background{ background-color: rgb(233,  
245, 202) }
```

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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