

Converting Colors

XYZ(67.0837, 81.1375, 21.5709)

Have a look what the booklet for
XYZ(67.0837, 81.1375, 21.5709)
contains.

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Color

**XYZ(67.1902, 81.1243,
21.5684)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EA F1 59 |
| RGB | 234, 241, 89 |
| RGB Percent | 92%, 95%, 35% |
| CMY | 0.0824, 0.0549, 0.6510 |
| CMYK | 0.03, 0.00, 0.63, 0.05 |
| HSL | 63°, 84%, 65% |
| HSV | 63°, 63%, 95% |
| XYZ | 67.1902, 81.1243, 21.5684 |
| YIQ | 221.5790, 44.6200, -48.7560 |

Conversions

Conversions Part 2

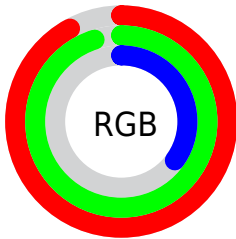
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 89, 241, 96 |
| Decimal | 15397209 |
| CIELab | 92.19, -20.91, 69.94 |
| CIELCh | 92, 73.002, 106.648 |
| Yxy | 81.1243, 0.3955, 0.4775 |
| Android (android.graphics.Color) | 4293587289 (0xFFEAF159) |
| YUV | 221.5790, -65.3614, 10.8932 |
| Hunter-Lab | 90.0690, -24.4624, 48.8504 |

Details

The XYZ color **67.1902, 81.1243, 21.5684** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.2759, 15.9842, 85.0298**, and the grayscale version is **69.5604, 73.1829, 79.6962**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **35.2036, 43.8821, 7.5344** is the 20% darker color. If you saturate the color by 10%, you get **65.9765, 80.5998, 17.0664**, and if you desaturate by 10%, it is **68.7412, 81.7900, 27.8178**.

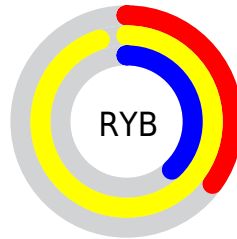
Distribution



Red (92%)

Green (95%)

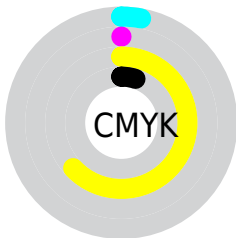
Blue (35%)



Red (35%)

Yellow (95%)

Blue (38%)

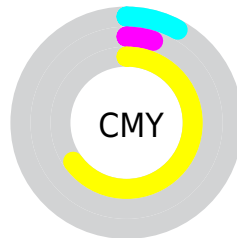


Cyan (3%)

Magenta (0%)

Yellow (63%)

Black (5%)



Cyan (8%)

Magenta (5%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1902, 81.1243, 21.5684 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 67.1902, 81.1243, 21.5684 by changing the saturation by 10% instead.

67.1902, 81.1243,
21.5684

67.1902, 81.1243,
21.5684

440.0433,
498.7138, 273.1636

49.5105, 60.6440,
13.3448

114.2412,
134.9453, 46.9246

35.2408, 43.9379,
7.5329

144.3432,
169.0547, 64.8944

24.0158, 30.6217,
3.7141

179.3166,
208.4760, 86.9499

15.4701, 20.3110,
1.4698

219.5269,
253.5935, 113.5098

9.2385, 12.6213,
0.1953

265.3394,
304.7917, 144.9925

4.9554, 7.1683,
0.0000

317.1193,

2.2556, 3.5676,

362.4548, 181.8167

0.0000

375.2322,
426.9674, 224.4009

■ 0.7718, 1.4347,
0.0000

■ 0.0000, 0.2421,
0.0000

■ 67.1902, 81.1243,
21.5684

■ 67.1902, 81.1243,
21.5684

■ 65.9765, 80.5998,
17.0664

■ 68.7412, 81.7900,
27.8178

■ 65.0606, 80.1917,
14.1294


■ 70.6530, 82.5972,
35.9634

■ 64.4036, 79.8874,
12.5436


■ 72.9534, 83.5602,
46.1438


■ 64.0572, 79.7203,
12.0114

■ 75.6661, 84.6883,
58.4830

 78.8128, 85.9903,
73.0956

 82.4137, 87.4743,
90.0878

 86.0484, 88.9720,
107.2458

 86.4304, 89.1690,
107.2637

 86.8147, 89.3671,
107.2817

Harmonies

Analogous

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



85.7752, 81.1243, 20.9710



67.1902, 81.1243, 21.5684



53.6581, 81.1243, 34.5501

Triad

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



67.1902, 81.1243, 21.5684



54.8227, 81.1243, 187.2401



117.9792, 81.1243, 114.5115

Complementary

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



67.1902, 81.1243, 21.5684



24.2759, 15.9842, 85.0298

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.



106.5493, 81.1243, 180.3674



67.1902, 81.1243, 21.5684



69.0419, 81.1243, 232.5393

Square

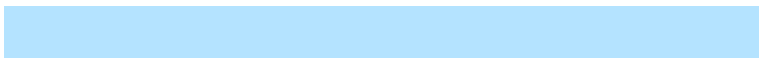
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1902, 81.1243, 21.5684



47.3550, 81.1243, 121.4977



87.9528, 81.1243, 229.6089



117.2650, 81.1243, 61.8260

Rectangle

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



67.1902, 81.1243, 21.5684



48.4093, 81.1243, 53.2689



87.9528, 81.1243, 229.6089



115.3597, 81.1243, 136.1472

Sweetspot

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



67.1921, 81.1280, 21.5701



87.3906, 96.8419, 72.8298



42.0902, 27.4413, 12.5305



18.4931, 20.6403, 14.6079



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.



67.1921, 81.1280, 21.5701



74.6371, 91.4640, 18.1637



47.7455, 71.1029, 20.6600



17.0467, 18.4198, 16.8066



34.7674, 43.2448, 6.5146



2.9144, 3.6089, 0.5430

Inverse Universe

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



24.2759, 15.9842, 85.0298



22.2649, 11.8859, 95.7285



36.0441, 22.0509, 85.5805



14.9646, 15.2635, 19.8790



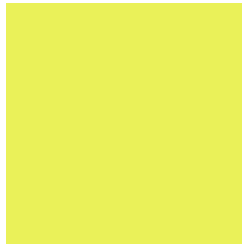
8.7158, 3.4986, 45.3438



0.7486, 0.3032, 3.7733

Previews

White Background



This preview shows how the XYZ color 67.1902, 81.1243, 21.5684 looks on a white background.

Color Contrast Check

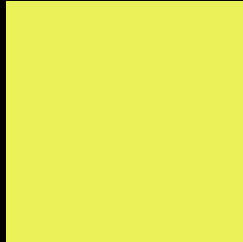
Large Text (above 18pt) WCAG AA × Fail

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 67.1902, 81.1243, 21.5684 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 67.1902, 81.1243, 21.5684

Background



This preview shows how black text looks on a background with the XYZ color 67.1902, 81.1243, 21.5684.

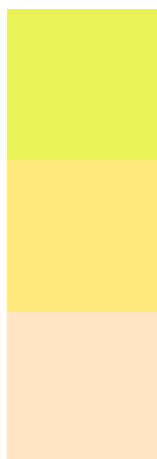


This preview shows how white text looks on a background with the XYZ color 67.1902, 81.1243,

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

67.1902, 81.1243, 21.5684

Protanopia

74.2097, 81.0701, 31.8155

Deuteranopia

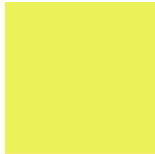
78.8337, 80.6869, 63.0489



Tritanopia

82.4409, 81.0035, 96.0842

Trichromacy



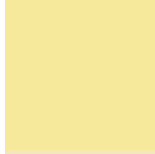
Original Color

67.1902, 81.1243, 21.5684



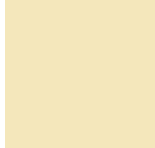
Protanomaly

71.3339, 80.9573, 27.4894



Deuteranomaly

73.4974, 80.4523, 43.1076



Tritanomaly

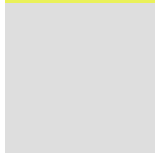
74.8538, 79.9728, 58.5048

Monochromacy



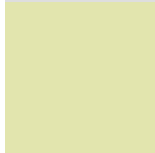
Original Color

67.1902, 81.1243, 21.5684



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.0233, 75.2634, 51.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1902, 81.1243, 21.5684 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(234, 241, 89)` looks like.

```
.text, #text, p{  
    color:rgb(234, 241, 89)  
}
```

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(234, 241, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 241, 89) }
```

Border

The CSS property to change the border of an element to XYZ 67.1902, 81.1243, 21.5684 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(234, 241, 89) }
```


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

```
.border{ border-color:rgb(234, 241, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 241, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 241, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 241, 89);  
box-shadow:4px 4px 4px 4px rgb(234, 241,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1902, 81.1243, 21.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 241, 89) }
```

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

```
.background{ background-color: rgb(234,  
241, 89) }
```

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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