

Converting Colors

XYZ(70.7160, 83.1355, 21.8624)

Have a look what the booklet for
XYZ(70.7160, 83.1355, 21.8624)
contains.

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Color

**XYZ(70.5667, 82.8650,
21.7265)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F159
RGB	244, 241, 89
RGB Percent	96%, 95%, 35%
CMY	0.0431, 0.0549, 0.6510
CMYK	0.00, 0.01, 0.64, 0.04
HSL	59°, 88%, 65%
HSV	59°, 64%, 96%
XYZ	70.5667, 82.8650, 21.7265
YIQ	224.5690, 50.5800, -46.6360

Conversions

Conversions Part 2

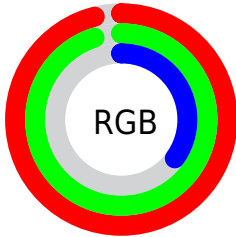
Format	Color
R_{YB}	92, 244, 89
Decimal	16052569
CIE _{Lab}	92.96, -16.89, 70.98
CIE _{LCh}	93, 72.964, 103.381
Yxy	82.8650, 0.4029, 0.4731
Android (android.graphics.Color)	4294242649 (0xFFFF4F159)
YUV	224.5690, -66.8355, 17.0410
Hunter-Lab	91.0302, -20.9295, 49.5702

Details

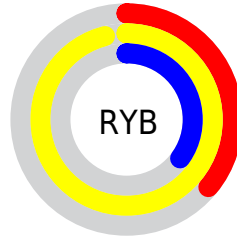
The XYZ color **70.5667, 82.8650, 21.7265** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.2763, 16.3096, 87.4560**, and the grayscale version is **71.6996, 75.4336, 82.1472**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **37.5214, 45.0782, 7.5875** is the 20% darker color. If you saturate the color by 10%, you get **69.5687, 82.2460, 17.1496**, and if you desaturate by 10%, it is **71.9084, 83.6282, 28.0944**.

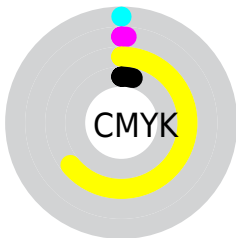
Distribution



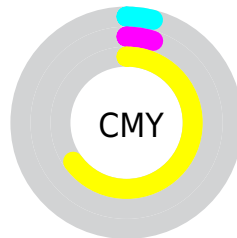
- Red (96%)
- Green (95%)
- Blue (35%)



- Red (36%)
- Yellow (96%)
- Blue (35%)



- Cyan (0%)
- Magenta (1%)
- Yellow (64%)
- Black (4%)




- Cyan (4%)
- Magenta (5%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5667, 82.8650, 21.7265 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 70.5667, 82.8650, 21.7265 by changing the saturation by 10% instead.


 70.5667, 82.8650,
21.7265

 70.5667, 82.8650,
21.7265


451.7727,
504.5365, 274.0214


 52.2699, 62.0788,
13.4597


 119.0384,
137.3864, 47.1899


 37.4454, 45.0964,
7.6114


 149.9441,
171.8903, 65.2236

 25.7278, 31.5333,
3.7631


 185.7834,
211.7356, 87.3500

 16.7517, 21.0053,
1.4963

 226.9218,
257.3067, 113.9876

 10.1518, 13.1279,
0.2152

273.7246,
308.9879, 145.5550

 5.5628, 7.5167,
0.0000

326.5571,

 2.6192, 3.7873,

367.1637, 182.4708

0.0000

385.7847,
432.2184, 225.1534

■ 0.9558, 1.5553,
0.0000

■ 0.0000, 0.3272,
0.0000

■ 70.5667, 82.8650,
21.7265

■ 70.5667, 82.8650,
21.7265

■ 69.5687, 82.2460,
17.1496

■ 71.9084, 83.6282,
28.0944

■ 68.8735, 81.7457,
14.1743

■ 73.6182, 84.5361,
36.4077

■ 68.4406, 81.3508,
12.5777

■ 75.7251, 85.6035,
46.8099

■ 68.2589, 81.1348,
12.0630

■ 78.2534, 86.8400,
59.4295

81.2255, 88.2546,
74.3848

84.6625, 89.8557,
91.7857

87.8004, 91.3377,
107.6101

87.9425, 91.6221,
107.6575

88.0851, 91.9072,
107.7050

Harmonies

Analogous

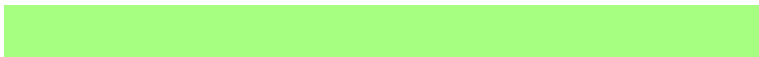
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7330, 82.8650, 22.3269



70.5667, 82.8650, 21.7265



56.1416, 82.8650, 33.3558

Triad

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



70.5667, 82.8650, 21.7265



54.9796, 82.8650, 183.4145



119.4335, 82.8650, 123.7576

Complementary

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



70.5667, 82.8650, 21.7265



24.2763, 16.3096, 87.4560

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.



106.7611, 82.8650, 190.2364



70.5667, 82.8650, 21.7265



68.7214, 82.8650, 233.1140

Square

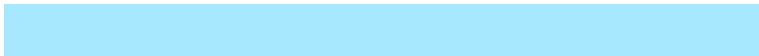
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5667, 82.8650, 21.7265



48.1737, 82.8650, 116.8100



87.5656, 82.8650, 236.0202



120.1434, 82.8650, 68.0162

Rectangle

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



70.5667, 82.8650, 21.7265



50.2894, 82.8650, 50.8430



87.5656, 82.8650, 236.0202



116.3488, 82.8650, 146.0036

Sweetspot

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



70.5686, 82.8689, 21.7282



87.9098, 96.6676, 72.7688



42.9089, 27.1898, 13.6166



18.6208, 20.5973, 14.5929



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.



70.5686, 82.8689, 21.7282



76.6656, 90.7548, 17.9199



51.0945, 74.1555, 21.0728



17.8856, 19.2554, 17.5716



37.1282, 44.1419, 6.5634



3.2718, 3.8968, 0.5797

Inverse Universe

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



24.2763, 16.3096, 87.4560



21.8738, 11.9924, 95.7696



34.6675, 21.2892, 87.8694



15.6068, 15.9779, 20.8040



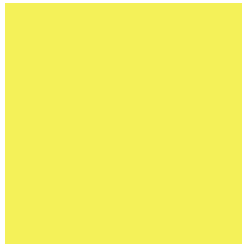
8.9179, 3.6296, 46.7686



0.7927, 0.3367, 4.1135

Previews

White Background



This preview shows how the XYZ color 70.5667, 82.8650, 21.7265 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 70.5667, 82.8650, 21.7265 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 70.5667, 82.8650, 21.7265

Background



This preview shows how black text looks on a background with the XYZ color 70.5667, 82.8650, 21.7265.



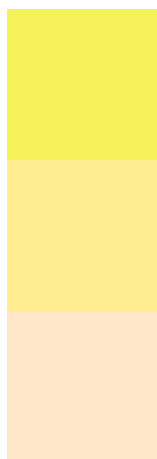
This preview shows how white text looks on a background with the XYZ color 70.5667, 82.8650,

21.7265.

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

70.5667, 82.8650, 21.7265

Protanopia

76.0592, 82.7210, 38.7461

Deuteranopia

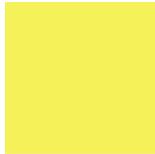
80.4766, 82.6761, 67.5936



Tritanopia

84.7361, 82.6090, 95.4835

Trichromacy



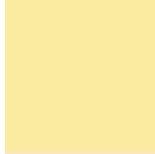
Original Color

70.5667, 82.8650, 21.7265



Protanomaly

73.7695, 82.5583, 31.4493



Deuteranomaly

75.9250, 82.4991, 45.6405



Tritanomaly

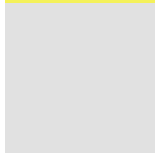
77.5032, 81.7676, 58.1522

Monochromacy



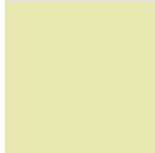
Original Color

70.5667, 82.8650, 21.7265



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.6911, 77.4422, 52.3490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5667, 82.8650, 21.7265 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(244, 241, 89)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 241, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 241, 89) }
```

Border

The CSS property to change the border of an element to XYZ 70.5667, 82.8650, 21.7265 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(244, 241, 89) }
```


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

```
.border{ border-color:rgb(244, 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(244, 241, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 241, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 241, 89);  
box-shadow:4px 4px 4px 4px rgb(244, 241,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5667, 82.8650, 21.7265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 241, 89) }
```

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

```
.background{ background-color: rgb(244,  
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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