

Converting Colors

XYZ(70.9135, 83.6503, 21.5964)

Have a look what the booklet for
XYZ(70.9135, 83.6503, 21.5964)
contains.

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Color

**XYZ(70.8218, 83.4419,
21.6057)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F258
RGB	244, 242, 88
RGB Percent	96%, 95%, 35%
CMY	0.0431, 0.0510, 0.6549
CMYK	0.00, 0.01, 0.64, 0.04
HSL	59°, 88%, 65%
HSV	59°, 64%, 96%
XYZ	70.8218, 83.4419, 21.6057
YIQ	225.0420, 50.6260, -47.4700

Conversions

Conversions Part 2

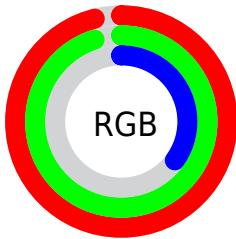
Format	Color
R_{YB}	90, 244, 88
Decimal	16052824
CIE _{Lab}	93.21, -17.43, 71.63
CIE _{LCh}	93, 73.725, 103.674
Y _{xy}	83.4419, 0.4027, 0.4745
Android (android.graphics.Color)	4294242904 (0xFFFF4F258)
YUV	225.0420, -67.5617, 16.6262
Hunter-Lab	91.3465, -21.4638, 49.9190

Details

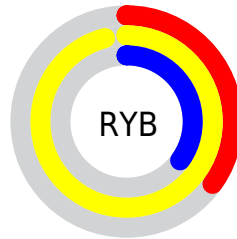
The XYZ color **70.8218, 83.4419, 21.6057** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.0100, 15.9185, 87.3946**, and the grayscale version is **72.0454, 75.7973, 82.5433**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **37.4709, 45.3661, 7.5407** is the 20% darker color. If you saturate the color by 10%, you get **69.8836, 82.9214, 17.1139**, and if you desaturate by 10%, it is **72.1022, 84.1057, 27.8815**.

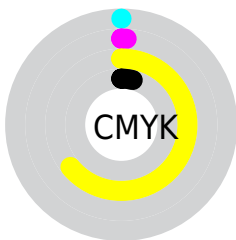
Distribution



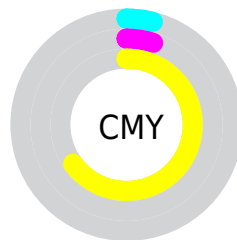
- Red (96%)
- Green (95%)
- Blue (35%)



- Red (35%)
- 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 70.8218, 83.4419, 21.6057 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 70.8218, 83.4419, 21.6057 by changing the saturation by 10% instead.


 70.8218, 83.4419,
21.6057


 70.8218, 83.4419,
21.6057


452.6518,
506.4581, 273.3662

 52.4788, 62.5548,
13.3719


 119.3998,
138.1942, 46.9872


 37.6127, 45.4811,
7.5514


 150.3656,
172.8282, 64.9721

 25.8581, 31.8365,
3.7257


 186.2697,
212.8132, 87.0444

 16.8496, 21.2367,
1.4761

 227.4774,
258.5337, 113.6226

 10.2220, 13.2971,
0.2000

274.3541,
310.3740, 145.1254

 5.6098, 7.6335,
0.0000

327.2651,

 2.6477, 3.8613,

368.7186, 181.9712

0.0000

386.5759,
433.9518, 224.5786

■ 0.9703, 1.5963,
0.0000

■ 0.0000, 0.3551,
0.0000

■ 70.8218, 83.4419,
21.6057

■ 70.8218, 83.4419,
21.6057

■ 69.8836, 82.9214,
17.1139

■ 72.1022, 84.1057,
27.8815

■ 69.2464, 82.5184,
14.2153

■ 73.7493, 84.9134,
36.0965

■ 68.8693, 82.2197,
12.6849

■ 75.7923, 85.8797,
46.3947

■ 68.7285, 82.0738,
12.2195

■ 78.2554, 87.0143,
58.9053

81.1614, 88.3263,
73.7468

84.5311, 89.8241,
91.0295

87.7655, 91.2679,
107.5985

87.8595, 91.4559,
107.6298

87.9536, 91.6441,
107.6612

Harmonies

Analogous

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



90.2518, 83.4419, 22.1000



70.8218, 83.4419, 21.6057



56.2587, 83.4419, 33.4610

Triad

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



70.8218, 83.4419, 21.6057



55.2946, 83.4419, 186.2748



120.7152, 83.4419, 124.2762

Complementary

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



70.8218, 83.4419, 21.6057



24.0100, 15.9185, 87.3946

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.



107.9257, 83.4419, 191.9671



70.8218, 83.4419, 21.6057



69.2886, 83.4419, 236.5786

Square

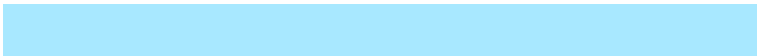
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8218, 83.4419, 21.6057



48.3317, 83.4419, 118.4908



88.4486, 83.4419, 239.0059



121.3067, 83.4419, 67.8879

Rectangle

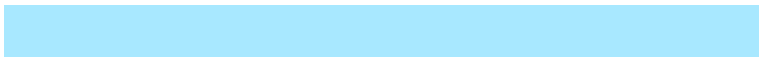
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8218, 83.4419, 21.6057



50.3787, 83.4419, 51.2683



88.4486, 83.4419, 239.0059



117.6164, 83.4419, 146.8762

Sweetspot

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



70.8237, 83.4458, 21.6074



88.0104, 96.8687, 72.8023



42.6695, 26.9618, 12.7636



18.6455, 20.6468, 14.6012



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.



70.8237, 83.4458, 21.6074



76.9853, 91.5021, 17.6943



50.3891, 73.7968, 20.8220



17.8955, 19.2751, 17.5748



37.3793, 44.6441, 6.6471



3.2910, 3.9353, 0.5861

Inverse Universe

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



24.0100, 15.9185, 87.3946



21.5102, 11.4936, 95.6925



35.0059, 21.3409, 87.8617



15.5982, 15.9606, 20.8012



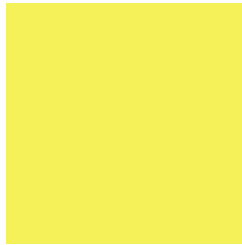
8.9047, 3.6032, 46.7642



0.7885, 0.3284, 4.1121

Previews

White Background



This preview shows how the XYZ color 70.8218, 83.4419, 21.6057 looks on a white background.

Color Contrast Check

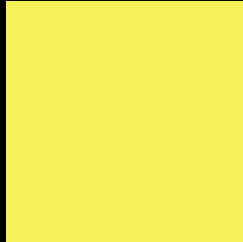
Large Text (above 18pt) WCAG AA × Fail

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 70.8218, 83.4419, 21.6057 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 70.8218, 83.4419, 21.6057

Background



This preview shows how black text looks on a background with the XYZ color 70.8218, 83.4419, 21.6057.

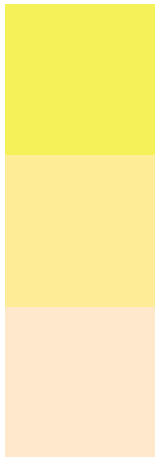


This preview shows how white text looks on a background with the XYZ color 70.8218, 83.4419,

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

70.8218, 83.4419, 21.6057

Protanopia

76.8214, 83.4853, 41.3435

Deuteranopia

80.9957, 83.3329, 68.9427



Tritanopia

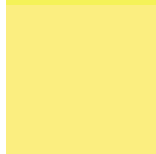
85.1611, 83.2179, 96.3682

Trichromacy



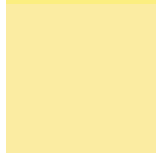
Original Color

70.8218, 83.4419, 21.6057



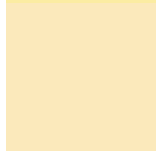
Protanomaly

74.2545, 83.2168, 32.5709



Deuteranomaly

76.3007, 83.1088, 46.2025



Tritanomaly

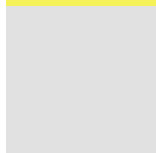
77.8922, 82.3749, 58.8083

Monochromacy



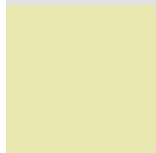
Original Color

70.8218, 83.4419, 21.6057



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.5925, 77.4028, 51.8298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8218, 83.4419, 21.6057 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, 242, 88)` looks like.

```
.text, #text, p{  
    color:rgb(244, 242, 88)  
}
```

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, 242, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 242, 88) }
```

Border

The CSS property to change the border of an element to XYZ 70.8218, 83.4419, 21.6057 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, 242, 88) }
```


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

```
.border{ border-color:rgb(244, 242, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 242, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 242, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 242, 88);  
box-shadow:4px 4px 4px 4px rgb(244, 242,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8218, 83.4419, 21.6057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 242, 88) }
```

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

```
.background{ background-color: rgb(244,  
242, 88) }
```

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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