

Converting Colors

XYZ(65.9521, 70.0606, 27.8163)

Have a look what the booklet for
XYZ(65.9521, 70.0606, 27.8163)
contains.

XYZ(65.9521, 70.0606, 27.8163)	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(65.9521, 70.0606,
27.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	F6D878
RGB	246, 216, 120
RGB Percent	96%, 85%, 47%
CMY	0.0353, 0.1529, 0.5294
CMYK	0.00, 0.12, 0.51, 0.04
HSL	46°, 87%, 72%
HSV	46°, 51%, 96%
XYZ	65.9521, 70.0606, 27.8163
YIQ	214.0260, 48.6960, -23.4960

Conversions

Conversions Part 2

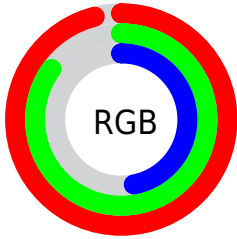
Format	Color
RYB	159, 246, 120
Decimal	16177272
CIELab	87.03, -1.42, 50.73
CIELCh	87, 50.748, 91.608
Yxy	70.0606, 0.4026, 0.4276
Android (android.graphics.Color)	4294367352 (0xFFFF6D878)
YUV	214.0260, -46.3548, 28.0412
Hunter-Lab	83.7022, -5.8320, 38.8880

Details

The XYZ color **65.9521, 70.0606, 27.8163** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.2864, 32.4586, 91.5940**, and the grayscale version is **64.2148, 67.5590, 73.5717**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **34.2818, 36.4719, 10.7018** is the 20% darker color. If you saturate the color by 10%, you get **63.1736, 66.5938, 20.4470**, and if you desaturate by 10%, it is **69.1709, 73.7943, 37.2258**.

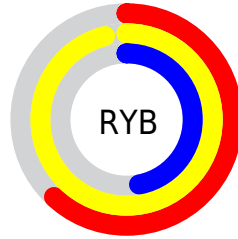
Distribution



Red (96%)

Green (85%)

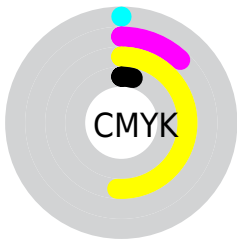
Blue (47%)



Red (62%)

Yellow (96%)

Blue (47%)

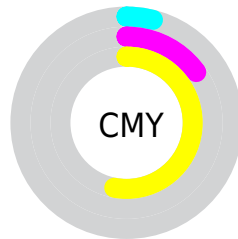


Cyan (0%)

Magenta (12%)

Yellow (51%)

Black (4%)



Cyan (4%)


Magenta (15%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9521, 70.0606, 27.8163 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 65.9521, 70.0606, 27.8163 by changing the saturation by 10% instead.


 65.9521, 70.0606,
27.8163


 65.9521, 70.0606,
27.8163


435.6969,
460.7628, 305.4724

 48.5011, 51.5759,
17.9494


 112.4757,
119.2952, 57.2106

 34.4368, 36.6672,
10.7446


 142.2790,
150.8139, 77.5751

 23.3938, 24.9499,
5.7834

 176.9304,
187.4460, 102.2758

 15.0069, 16.0397,
2.6472

216.7953,
229.5761, 131.7313

 8.9105, 9.5523,
0.9166

262.2390,
277.5884, 166.3602

 4.7395, 5.1031,
0.0000

313.6270,

 2.1284, 2.3079,

331.8673, 206.5810

0.0000

371.3245,
392.7973, 252.8122

■ 0.7046, 0.7779,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9521, 70.0606,
27.8163

■ 65.9521, 70.0606,
27.8163

■ 63.1736, 66.5938,
20.4470

■ 69.1709, 73.7943,
37.2258

■ 60.7999, 63.3710,
14.9554


■ 72.8524, 77.7969,
48.8125


■ 58.7975, 60.3805,
11.1614

■ 77.0232, 82.0825,
62.7068


■ 57.1247, 57.6047,
8.8471

■ 81.7063, 86.6611,
79.0272

 55.8697, 55.3203,
7.7332

 86.9231, 91.5422,
97.8842

 90.5976, 95.8961,
108.3425

 91.8160, 98.3328,
108.7486

Harmonies

Analogous

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



78.0465, 70.0606, 32.0121



65.9521, 70.0606, 27.8163



55.3281, 70.0606, 33.0513

Triad

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



65.9521, 70.0606, 27.8163



48.9788, 70.0606, 115.9368



88.7601, 70.0606, 111.7878

Complementary

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



65.9521, 70.0606, 27.8163



35.2864, 32.4586, 91.5940

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.



79.2861, 70.0606, 146.6129



65.9521, 70.0606, 27.8163



56.3143, 70.0606, 149.4666

Square

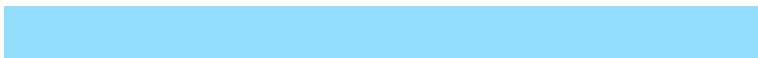
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.9521, 70.0606, 27.8163



46.2779, 70.0606, 78.1330



67.2330, 70.0606, 162.0797



92.1166, 70.0606, 74.4645

Rectangle

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



65.9521, 70.0606, 27.8163



50.2524, 70.0606, 42.4579



67.2330, 70.0606, 162.0797



86.1338, 70.0606, 124.5188

Sweetspot

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



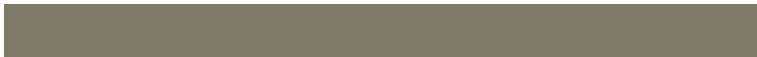
65.9538, 70.0639, 27.8177



86.6556, 92.1042, 78.6859



50.3495, 35.2771, 33.6478



18.3178, 19.4893, 16.0400



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.



65.9538, 70.0639, 27.8177



68.5777, 72.2975, 22.2579



64.2239, 81.6391, 30.1431



17.5608, 18.6058, 17.4633



29.9350, 29.7555, 4.1656



2.7095, 2.7722, 0.3923

Inverse Universe

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



35.2864, 32.4586, 91.5940



32.1166, 27.6415, 98.2504



36.2072, 26.7149, 90.4368



15.9014, 16.5671, 20.9022



9.7913, 5.3763, 47.0597



0.9369, 0.6252, 4.1615

Previews

White Background



This preview shows how the XYZ color 65.9521, 70.0606, 27.8163 looks on a white background.

Color Contrast Check

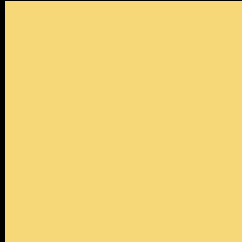
Large Text (above 18pt) WCAG AA × Fail

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 65.9521, 70.0606, 27.8163 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 65.9521, 70.0606, 27.8163

Background



This preview shows how black text looks on a background with the XYZ color 65.9521, 70.0606, 27.8163.



This preview shows how white text looks on a background with the XYZ color 65.9521, 70.0606,

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

65.9521, 70.0606, 27.8163

Protanopia

64.4578, 70.0485, 28.2126

Deuteranopia

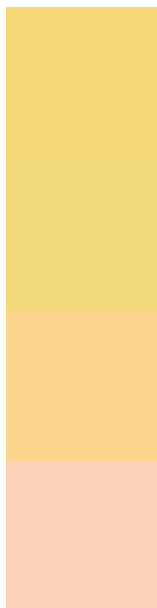
70.2840, 70.1484, 39.9726



Tritanopia

75.9896, 70.0900, 77.2338

Trichromacy



Original Color

65.9521, 70.0606, 27.8163

Protanomaly

64.8820, 69.8834, 28.1584

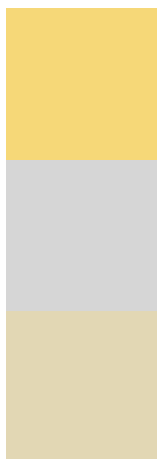
Deuteranomaly

68.7469, 70.2070, 35.1273

Tritanomaly

71.5971, 69.7571, 55.0383

Monochromacy



Original Color

65.9521, 70.0606, 27.8163

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.9027, 68.0649, 52.9498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9521, 70.0606, 27.8163 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(246, 216, 120)` looks like.

```
.text, #text, p{  
    color:rgb(246, 216, 120)  
}
```

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(246, 216, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 216, 120) }
```

Border

The CSS property to change the border of an element to XYZ 65.9521, 70.0606, 27.8163 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(246, 216, 120) }
```


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

```
.border{ border-color:rgb(246, 216, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 216, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 216, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 216, 120);  
box-shadow:4px 4px 4px 4px rgb(246, 216,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9521, 70.0606, 27.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 216, 120) }
```

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

```
.background{ background-color: rgb(246,  
216, 120) }
```

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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