

Converting Colors

XYZ(65.7818, 66.5062, 21.9409)

Have a look what the booklet for
XYZ(65.7818, 66.5062, 21.9409)
contains.

XYZ(65.7096, 66.3619, 21.9162)	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(65.7096, 66.3619,
21.9162)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE66
RGB	255, 206, 102
RGB Percent	100%, 81%, 40%
CMY	0.0000, 0.1921, 0.6000
CMYK	0.00, 0.19, 0.60, 0.00
HSL	41°, 100%, 70%
HSV	41°, 60%, 100%
XYZ	65.7096, 66.3619, 21.9162
YIQ	208.7950, 62.5880, -21.9560

Conversions

Conversions Part 2

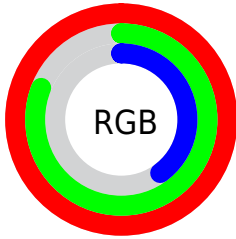
Format	Color
R _Y B	174, 255, 102
Decimal	16764518
CIE Lab	85.18, 5.99, 57.24
CIE LCh	85, 57.552, 84.026
Yxy	66.3619, 0.4267, 0.4310
Android (android.graphics.Color)	4294954598 (0xFFFFCE66)
YUV	208.7950, -52.6499, 40.5218
Hunter-Lab	81.4628, 1.4219, 41.0730

Details

The XYZ color **65.7096, 66.3619, 21.9162** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.5957, 32.1768, 98.9947**, and the grayscale version is **60.7760, 63.9411, 69.6318**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **34.2883, 34.2803, 7.7153** is the 20% darker color. If you saturate the color by 10%, you get **62.7197, 62.1043, 15.6111**, and if you desaturate by 10%, it is **69.1937, 70.9858, 30.3056**.

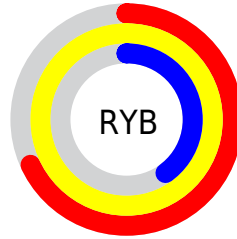
Distribution



Red (100%)

Green (81%)

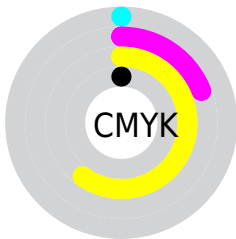
Blue (40%)



Red (68%)

Yellow (100%)

Blue (40%)

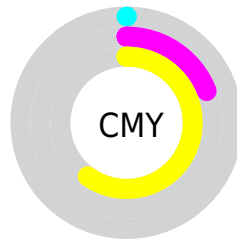


Cyan (0%)

Magenta (19%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7096, 66.3619, 21.9162 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 65.7096, 66.3619, 21.9162 by changing the saturation by 10% instead.

65.7096, 66.3619,
21.9162

65.7096, 66.3619,
21.9162

434.8426,
447.6700, 275.0476

48.3035, 48.5662,
13.5976

112.1295,
114.0056, 47.5079

34.2796, 34.2755,
7.7058

141.8740,
144.6224, 65.6180

23.2724, 23.1053,
3.8222

176.4620,
180.2818, 87.8291

14.9165, 14.6713,
1.5283

216.2590,
221.3680, 114.5597

8.8468, 8.5890,
0.2389

261.6301,
268.2656, 146.2283

4.6977, 4.4741,
0.0000

312.9409,

2.1039, 1.9422,

321.3589, 183.2534

0.0000

370.5566,
381.0322, 226.0537

■ 0.6913, 0.5735,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7096, 66.3619,
21.9162

■ 65.7096, 66.3619,
21.9162

■ 62.7197, 62.1043,
15.6111

■ 69.1937, 70.9858,
30.3056

■ 60.1807, 58.1854,
11.1914

■ 73.2010, 75.9822,
40.9461

■ 58.0485, 54.5877,
8.4254

■ 77.7635, 81.3688,
53.9918

■ 56.2495, 51.2792,
6.9333

■ 82.9090, 87.1592,
69.5821

■ 56.2493, 51.2788,
6.9331

■ 88.6633, 93.3658,
87.8456

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



78.9095, 66.3619, 28.4585



65.7096, 66.3619, 21.9162



53.4446, 66.3619, 24.6439

Triad

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



65.7096, 66.3619, 21.9162



42.9064, 66.3619, 105.4603



85.5183, 66.3619, 122.9318

Complementary

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



65.7096, 66.3619, 21.9162



34.5957, 32.1768, 98.9947

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.



73.7979, 66.3619, 159.2332



65.7096, 66.3619, 21.9162



49.5146, 66.3619, 146.9591

Square

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



65.7096, 66.3619, 21.9162



41.3569, 66.3619, 65.0668



60.5118, 66.3619, 169.2720



91.3120, 66.3619, 79.9579

Rectangle

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



65.7096, 66.3619, 21.9162



47.2637, 66.3619, 32.0697



60.5118, 66.3619, 169.2720



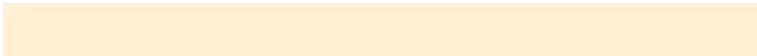
82.0695, 66.3619, 136.8385

Sweetspot

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



65.7112, 66.3651, 21.9175



84.0100, 88.3664, 73.0152



51.7414, 33.0632, 33.7925



17.6403, 18.5392, 14.5662



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.



65.7112, 66.3651, 21.9175



62.1769, 61.2935, 14.5825



70.6312, 89.2195, 26.0695



19.0420, 20.0522, 19.0112



29.5324, 27.0761, 3.6697



2.9743, 2.8339, 0.3902

Inverse Universe

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



34.5957, 32.1768, 98.9947



28.6863, 24.5914, 97.8424



31.6290, 21.2740, 97.0466



17.4778, 18.3272, 22.8663



11.1132, 7.1360, 50.2262



1.1758, 0.8824, 4.9216

Previews

White Background



This preview shows how the XYZ color 65.7096, 66.3619, 21.9162 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 65.7096, 66.3619, 21.9162 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 65.7096, 66.3619, 21.9162

Background



This preview shows how black text looks on a background with the XYZ color 65.7096, 66.3619, 21.9162.



This preview shows how white text looks on a background with the XYZ color 65.7096, 66.3619,

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

65.7096, 66.3619, 21.9162

Protanopia

60.8850, 66.4208, 22.7082

Deuteranopia

67.1006, 66.5343, 30.4249



Tritanopia

73.0669, 66.3013, 69.9192

Trichromacy



Original Color

65.7096, 66.3619, 21.9162

Protanomaly

62.4569, 66.1271, 22.3039

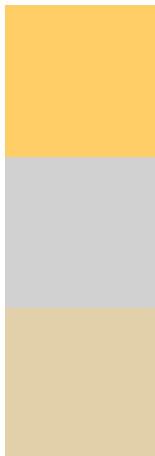
Deuteranomaly

66.4615, 66.2787, 27.0595

Tritanomaly

69.4773, 65.9736, 47.6004

Monochromacy



Original Color

65.7096, 66.3619, 21.9162

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.1756, 64.1828, 47.1944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7096, 66.3619, 21.9162 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(255, 206, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 102)  
}
```

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(255, 206, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 102) }
```

Border

The CSS property to change the border of an element to XYZ 65.7096, 66.3619, 21.9162 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(255, 206, 102) }
```


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

```
.border{ border-color:rgb(255, 206, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7096, 66.3619, 21.9162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 102) }
```

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

```
.background{ background-color: rgb(255,  
206, 102) }
```

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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