

# Converting Colors

XYZ(61.3466, 70.7561, 21.5353)

Have a look what the booklet for  
XYZ(61.3466, 70.7561, 21.5353)  
contains.

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# Color

**XYZ(61.4001, 70.9788,  
21.5305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E060
RGB	230, 224, 96
RGB Percent	90%, 88%, 38%
CMY	0.0980, 0.1215, 0.6235
CMYK	0.00, 0.03, 0.58, 0.10
HSL	57°, 73%, 64%
HSV	57°, 58%, 90%
XYZ	61.4001, 70.9788, 21.5305
YIQ	211.2020, 44.6640, -38.5360

# Conversions

## Conversions Part 2

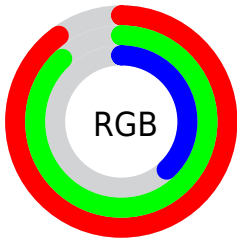
Format	Color
<a href="#">RYB</a>	<a href="#">102, 230, 96</a>
Decimal	<a href="#">15130720</a>
<a href="#">CIELab</a>	<a href="#">87.47, -13.78, 61.89</a>
<a href="#">CIElCh</a>	<a href="#">87, 63.402, 102.556</a>
<a href="#">Yxy</a>	<a href="#">70.9788, 0.3989, 0.4612</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4293320800 (0xFFE6E060)</a>
<a href="#">YUV</a>	<a href="#">211.2020, -56.7946, 16.4858</a>
<a href="#">Hunter-Lab</a>	<a href="#">84.2489, -17.3459, 43.8222</a>

# Details

The XYZ color **61.4001, 70.9788, 21.5305** is a light color, and the websafe version is hex **CCCC33**. A complement of this color would be **23.8582, 17.7024, 77.0220**, and the grayscale version is **62.3952, 65.6446, 71.4870**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **31.5842, 37.2998, 7.5424** is the 20% darker color. If you saturate the color by 10%, you get **60.2173, 70.0672, 16.6545**, and if you desaturate by 10%, it is **62.8976, 72.0242, 28.0410**.

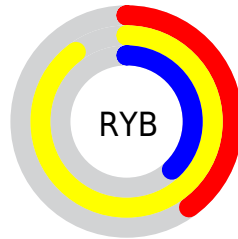
# Distribution



Red (90%)

Green (88%)

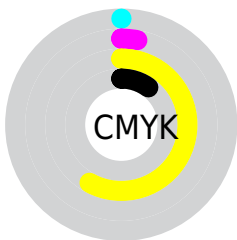
Blue (38%)



Red (40%)

Yellow (90%)

Blue (38%)

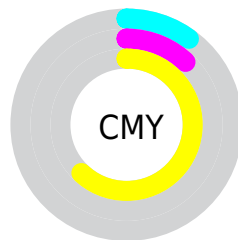


Cyan (0%)

Magenta (3%)

Yellow (58%)

Black (10%)



Cyan (10%)

Magenta (12%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4001, 70.9788, 21.5305 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 61.4001, 70.9788, 21.5305 by changing the saturation by 10% instead.



61.4001, 70.9788,  
21.5305

61.4001, 70.9788,  
21.5305

419.4920,  
463.9793, 272.9576

44.8019, 52.3249,  
13.3173

105.9529,  
120.6035, 46.8610

31.5020, 37.2641,  
7.5141

134.6382,  
152.3432, 64.8153

21.1351, 25.4120,  
3.7024

168.0832,  
189.2135, 86.8539

13.3358, 16.3843,  
1.4635

206.6533,  
231.5989, 113.3951

7.7388, 9.7965,  
0.1905

250.7139,  
279.8838, 144.8575

3.9787, 5.2642,  
0.0000

300.6303,

1.6901, 2.4031,

334.4526, 181.6597

0.0000

356.7679,  
395.6896, 224.2202

■ 0.4500, 0.8275,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.4001, 70.9788,  
21.5305

■ 61.4001, 70.9788,  
21.5305

■ 60.2173, 70.0672,  
16.6545

■ 62.8976, 72.0242,  
28.0410

■ 59.3164, 69.2685,  
13.2619


■ 64.7294, 73.2033,  
36.3107


■ 58.6661, 68.5726,  
11.1810


■ 66.9192, 74.5284,  
46.4575


■ 58.2195, 67.9609,  
10.1643


■ 69.4872, 76.0074,  
58.5876


 58.1506, 67.8582,  
10.0331

 72.4521, 77.6479,  
72.7993

 75.8313, 79.4568,  
89.1845

 79.3170, 81.3109,  
106.1219

 79.6061, 81.8892,  
106.2182

 79.8970, 82.4709,  
106.3152

# Harmonies

## Analogous

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



76.4608, 70.9788, 22.3158



61.4001, 70.9788, 21.5305



49.8162, 70.9788, 31.0913

# Triad

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



61.4001, 70.9788, 21.5305



48.4120, 70.9788, 147.4760



98.8012, 70.9788, 104.7096

# Complementary

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



61.4001, 70.9788, 21.5305



23.8582, 17.7024, 77.0220

# 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.



88.8516, 70.9788, 155.2545



61.4001, 70.9788, 21.5305



59.2008, 70.9788, 185.5541

# Square

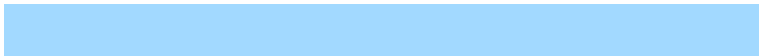
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.4001, 70.9788, 21.5305



43.0971, 70.9788, 96.6155



73.9129, 70.9788, 188.8348



99.6225, 70.9788, 60.7199



# Rectangle

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



61.4001, 70.9788, 21.5305



45.0162, 70.9788, 45.1889



73.9129, 70.9788, 188.8348



96.3525, 70.9788, 121.8190

# Sweetspot

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



61.4018, 70.9821, 21.5320



88.2241, 96.2849, 75.9911



39.2495, 26.1627, 15.7353



18.7322, 20.5236, 15.5445



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.



61.4018, 70.9821, 21.5320



75.8276, 88.3200, 19.9799



46.9213, 65.9508, 21.3240



15.5435, 16.7008, 15.3088



32.9467, 38.4675, 5.6885



2.4518, 2.8770, 0.4261



# Inverse Universe

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



23.8582, 17.7024, 77.0220



24.2784, 15.1931, 96.2607



32.2349, 21.1777, 77.2513



13.6343, 13.9900, 18.1261



8.1729, 3.4078, 42.6102

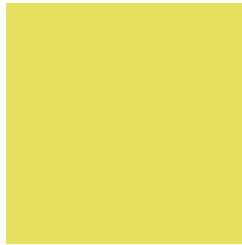


0.6223, 0.2885, 3.1549



# Previews

## White Background



This preview shows how the XYZ color 61.4001, 70.9788, 21.5305 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 61.4001, 70.9788, 21.5305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

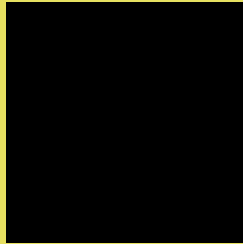
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.4001, 70.9788, 21.5305

## Background



This preview shows how black text looks on a background with the XYZ color 61.4001, 70.9788, 21.5305.



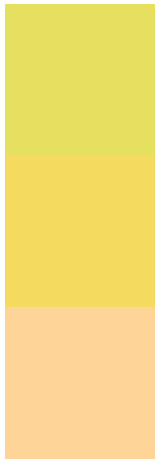
This preview shows how white text looks on a background with the XYZ color 61.4001, 70.9788,



# 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

61.4001, 70.9788, 21.5305

### Protanopia

64.7053, 70.7224, 21.0669

### Deuteranopia

70.5333, 70.6469, 40.0557



## Tritanopia

73.8739, 70.6939, 82.4248

# Trichromacy



## Original Color

61.4001, 70.9788, 21.5305

## Protanomaly

63.5186, 70.8898, 21.1618

## Deuteranomaly

66.7268, 70.3705, 31.8958

## Tritanomaly

67.6970, 70.0327, 52.5975

# Monochromacy



## Original Color

61.4001, 70.9788, 21.5305

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

60.6307, 66.8817, 47.2500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4001, 70.9788, 21.5305 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(230, 224, 96)` looks like.

```
.text, #text, p{  
    color:rgb(230, 224, 96)  
}
```

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(230, 224, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 224, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4001, 70.9788, 21.5305 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(230, 224, 96) }
```



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

```
.border{ border-color:rgb(230, 224, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 224, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 224, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 224, 96);  
box-shadow:4px 4px 4px 4px rgb(230, 224,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4001, 70.9788, 21.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 224, 96) }
```

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

```
.background{ background-color: rgb(230,  
224, 96) }
```

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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