

Converting Colors

XYZ(21.5533, 37.9834, 8.3407)

Have a look what the booklet for
XYZ(21.5533, 37.9834, 8.3407)
contains.

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Color

**XYZ(21.5960, 38.0989,
8.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	4CBD2A
RGB	76, 189, 42
RGB Percent	30%, 74%, 16%
CMY	0.7020, 0.2588, 0.8353
CMYK	0.60, 0.00, 0.78, 0.26
HSL	106°, 64%, 45%
HSV	106°, 78%, 74%
XYZ	21.5960, 38.0989, 8.4061
YIQ	138.4550, -20.1610, -69.6730

Conversions

Conversions Part 2

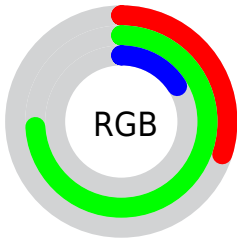
Format	Color
RYB	42, 189, 155
Decimal	5029162
CIELab	68.09, -57.37, 59.83
CIElCh	68, 82.888, 133.797
Yxy	38.0989, 0.3171, 0.5594
Android (android.graphics.Color)	4283219242 (0xFF4CBD2A)
YUV	138.4550, -47.5523, -54.7730
Hunter-Lab	61.7243, -45.5642, 35.1324

Details

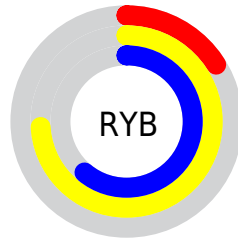
The XYZ color **21.5960, 38.0989, 8.4061** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **23.5335, 12.3003, 49.2801**, and the grayscale version is **24.5144, 25.7911, 28.0865**.

A 20% lighter version of the original color is **45.5244, 72.1308, 23.3276**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **20.3076, 37.4662, 6.9776**, and if you desaturate by 10%, it is **23.3063, 38.9330, 10.6882**.

Distribution



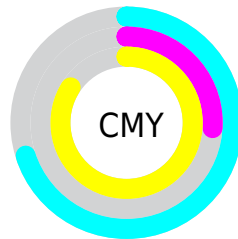
- Red (30%)
- Green (74%)
- Blue (16%)



- Red (16%)
- Yellow (74%)
- Blue (61%)



- Cyan (60%)
- Magenta (0%)
- Yellow (78%)
- Black (26%)





- Cyan (70%)
- Magenta (26%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5960, 38.0989, 8.4061 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 21.5960, 38.0989, 8.4061 by changing the saturation by 10% instead.


 21.5960, 38.0989,
8.4061


 21.5960, 38.0989,
8.4061


253.1014,
338.0440, 188.9354


 13.6753, 26.0595,
4.2644


 45.5612, 72.2597,
23.3100

 7.9754, 16.8681,
1.7715


 62.3364, 95.1498,
34.9092


 4.1309, 10.1405,
0.4090


 82.7938, 122.4257,
49.8314

 1.7764, 5.4922,
0.0000

 107.2988,
154.4716, 68.4951

 0.5034, 2.5389,
0.0000

 136.2167,
191.6720, 91.3188

 0.0000, 0.8960,
0.0000

 169.9128,

 0.0000, 0.0000,

234.4113, 118.7211

0.0000

208.7526,
283.0738, 151.1204

■ 21.5960, 38.0989,
8.4061

■ 21.5960, 38.0989,
8.4061

■ 20.3076, 37.4662,
6.9776

■ 23.3063, 38.9330,
10.6882

■ 19.3910, 37.0090,
6.2422

■ 25.4719, 39.9800,
13.9265

■ 19.2246, 36.9258,
6.1142

■ 28.1254, 41.2558,
18.2120

■ 31.2955, 42.7736,
23.6243

■ 35.0088, 44.5454,
30.2353

■ 39.2898, 46.5824,
38.1111

■ 44.1615, 48.8953,
47.3127

■ 49.6457, 51.4938,
57.8973

■ 55.7629, 54.3876,
69.9188

Harmonies

Analogous

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



30.6045, 38.0989, 3.6509



21.5960, 38.0989, 8.4061



17.2115, 38.0989, 24.6295

Triad

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



21.5960, 38.0989, 8.4061



29.7130, 38.0989, 154.1727



66.0913, 38.0989, 26.7239

Complementary

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



21.5960, 38.0989, 8.4061



23.5335, 12.3003, 49.2801

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.



65.6891, 38.0989, 64.6705



21.5960, 38.0989, 8.4061



42.4654, 38.0989, 156.0345

Square

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



21.5960, 38.0989, 8.4061



21.0778, 38.0989, 112.7767



56.2701, 38.0989, 116.9401



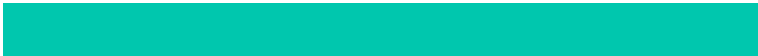
57.2650, 38.0989, 9.1558

Rectangle

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



21.5960, 38.0989, 8.4061



16.6500, 38.0989, 46.3758



56.2701, 38.0989, 116.9401



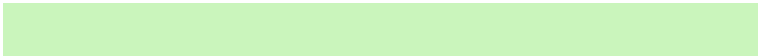
67.0854, 38.0989, 36.9474

Sweetspot

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



21.5969, 38.1005, 8.4069



65.9490, 81.3253, 60.0792



33.0774, 34.3309, 7.0742



13.6050, 17.2139, 11.8659



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5969, 38.1005, 8.4069



35.2044, 66.5188, 11.5199



20.6464, 37.4864, 13.9725



9.6097, 10.7532, 10.1457



12.9912, 24.8731, 4.1163



0.5682, 1.0049, 0.1640

Inverse Universe

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



23.5335, 12.3003, 49.2801



38.4304, 18.2119, 87.7159



27.3047, 14.6714, 30.1644



9.7084, 9.5821, 12.0100



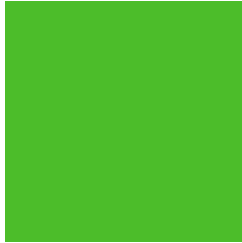
14.1411, 6.5761, 32.9169



0.6075, 0.2852, 1.2919

Previews

White Background



This preview shows how the XYZ color 21.5960, 38.0989, 8.4061 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 21.5960, 38.0989, 8.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

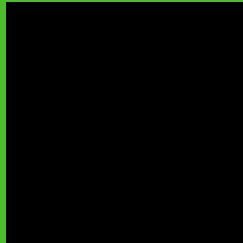
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5960, 38.0989, 8.4061

Background



This preview shows how black text looks on a background with the XYZ color 21.5960, 38.0989, 8.4061.



This preview shows how white text looks on a background with the XYZ color 21.5960, 38.0989,

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

21.5960, 38.0989, 8.4061

Protanopia

33.7812, 37.3519, 7.0983

Deuteranopia

38.0559, 37.1843, 8.9129



Tritanopia

30.7635, 37.8325, 54.3962

Trichromacy



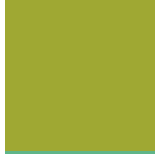
Original Color

21.5960, 38.0989, 8.4061



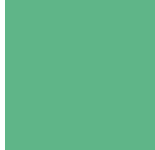
Protanomaly

27.1630, 36.4318, 7.4341



Deuteranomaly

28.8982, 35.6152, 8.4833



Tritanomaly

25.6871, 37.2582, 29.1303

Monochromacy



Original Color

21.5960, 38.0989, 8.4061



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.5754, 28.7381, 17.2418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5960, 38.0989, 8.4061 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(76, 189, 42)` looks like.

```
.text, #text, p{  
    color:rgb(76, 189, 42)  
}
```

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(76, 189, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 189, 42) }
```

Border

The CSS property to change the border of an element to XYZ 21.5960, 38.0989, 8.4061 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(76, 189, 42) }
```


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

```
.border{ border-color:rgb(76, 189, 42) }
```

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

Here you see how a box with a 4 pixel rgb(76, 189, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 189, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 189, 42);  
box-shadow:4px 4px 4px 4px rgb(76, 189,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5960, 38.0989, 8.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 189, 42) }
```

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

```
.background{ background-color: rgb(76, 189,  
42) }
```

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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