

Converting Colors

XYZ(48.8261, 56.8441, 20.9825)

Have a look what the booklet for
XYZ(48.8261, 56.8441, 20.9825)
contains.

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Color

**XYZ(48.8930, 56.9824,
20.9921)**

Conversions

Conversions Part 1

Format	Color
Hex	C6CC66
RGB	204, 204, 102
RGB Percent	80%, 80%, 40%
CMY	0.2000, 0.2000, 0.6000
CMYK	0.00, 0.00, 0.50, 0.20
HSL	60°, 50%, 60%
HSV	60°, 50%, 80%
XYZ	48.8930, 56.9824, 20.9921
YIQ	192.3720, 32.7420, -31.7220

Conversions

Conversions Part 2

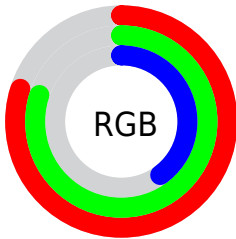
Format	Color
RYB	102, 204, 102
Decimal	13421670
CIELab	80.17, -13.90, 50.27
CIELCh	80, 52.157, 105.454
Yxy	56.9824, 0.3854, 0.4491
Android (android.graphics.Color)	4291611750 (0xFFCCCC66)
YUV	192.3720, -44.5534, 10.1978
Hunter-Lab	75.4867, -16.4866, 36.3527

Details

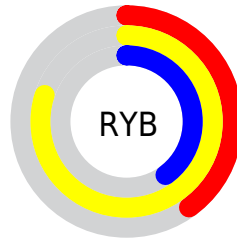
The XYZ color **48.8930, 56.9824, 20.9921** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.1318, 16.6884, 59.2376**, and the grayscale version is **50.5608, 53.1939, 57.9281**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **23.6948, 28.3389, 7.2387** is the 20% darker color. If you saturate the color by 10%, you get **48.0035, 56.6287, 16.3039**, and if you desaturate by 10%, it is **50.0342, 57.4410, 26.9938**.

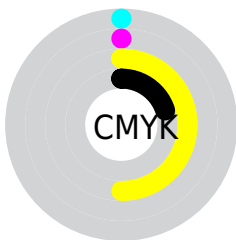
Distribution



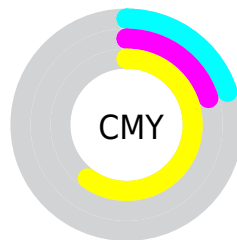
- Red (80%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)



- Cyan (20%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8930, 56.9824, 20.9921 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 48.8930, 56.9824, 20.9921 by changing the saturation by 10% instead.

■ 48.8930, 56.9824,
20.9921

■ 48.8930, 56.9824,
20.9921

372.8449,
413.3834, 270.0162

■ 34.7488, 40.9911,
12.9270

■ 87.7342, 100.4395,
45.9550

■ 23.6350, 28.3121,
7.2482

■ 113.1619,
128.6741, 63.6899

■ 15.1864, 18.5611,
3.5370

■ 143.0815,
161.7586, 85.4852

■ 9.0375, 11.3536,
1.3749

■ 177.8583,
200.0774, 111.7594

■ 4.8229, 6.3052,
0.1221

217.8577,
244.0149, 142.9311

■ 2.1774, 3.0315,
0.0000

263.4450,

■ 0.7308, 1.1482,

293.9554, 179.4187

0.0000

314.9856,
350.2835, 221.6409

■ 0.0000, 0.0188,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8930, 56.9824,
20.9921

■ 48.8930, 56.9824,
20.9921

■ 48.0035, 56.6287,
16.3039

■ 50.0342, 57.4410,
26.9938

■ 47.3431, 56.3644,
12.8276


■ 51.4396, 58.0032,
34.3933


■ 46.8918, 56.1839,
10.4528


■ 53.1261, 58.6778,
43.2723

■ 46.6246, 56.0770,
9.0472

■ 55.1075, 59.4704,
53.7050

 46.4944, 56.0249,
8.3634

 57.3972, 60.3863,
65.7607

 46.4944, 56.0249,
8.3634

 60.0075, 61.4305,
79.5046

 62.9500, 62.6075,
94.9980

 64.5484, 63.2469,
103.4135

 64.5487, 63.2471,
103.4136

Harmonies

Analogous

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



59.4585, 56.9824, 20.8756



48.8930, 56.9824, 20.9921



40.8575, 56.9824, 29.3691

Triad

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



48.8930, 56.9824, 20.9921



41.0478, 56.9824, 113.8254



76.4564, 56.9824, 77.9411

Complementary

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



48.8930, 56.9824, 20.9921



21.1318, 16.6884, 59.2376

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.



70.0757, 56.9824, 112.8441



48.8930, 56.9824, 20.9921



49.1862, 56.9824, 137.7235

Square

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



48.8930, 56.9824, 20.9921



36.7486, 56.9824, 78.9902



59.7924, 56.9824, 137.3149



76.3508, 56.9824, 47.7136

Rectangle

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



48.8930, 56.9824, 20.9921



37.6110, 56.9824, 40.7616



59.7924, 56.9824, 137.3149



74.9659, 56.9824, 89.6832

Sweetspot

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



48.8944, 56.9850, 20.9933



89.4911, 97.7764, 79.6313



32.0534, 23.3008, 15.3792



19.0077, 20.8693, 16.2700



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.



48.8944, 56.9850, 20.9933



79.3952, 93.7377, 26.4790



37.1302, 50.9204, 20.4427



12.1538, 13.0967, 11.9668



29.2625, 35.2607, 5.2637



1.5096, 1.8191, 0.2715

Inverse Universe

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



21.1318, 16.6884, 59.2376



28.2818, 19.5480, 96.8903



28.7890, 20.6359, 59.5959



10.6018, 10.8440, 14.1047



6.8601, 2.7441, 36.1244



0.3539, 0.1416, 1.8636

Previews

White Background



This preview shows how the XYZ color 48.8930, 56.9824, 20.9921 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 48.8930, 56.9824, 20.9921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

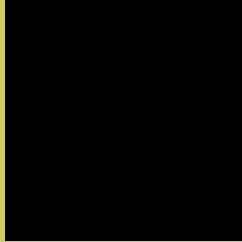
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8930, 56.9824, 20.9921

Background



This preview shows how black text looks on a background with the XYZ color 48.8930, 56.9824, 20.9921.



This preview shows how white text looks on a background with the XYZ color 48.8930, 56.9824,

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

48.8930, 56.9824, 20.9921

Protanopia

52.2389, 56.9826, 20.3020

Deuteranopia

57.7613, 56.4905, 21.4951



Tritanopia

58.1365, 56.6513, 66.9022

Trichromacy



Original Color

48.8930, 56.9824, 20.9921

Protanomaly

50.9672, 57.0090, 20.6295

Deuteranomaly

54.1547, 56.2615, 21.3699

Tritanomaly

53.7653, 56.1933, 45.5488

Monochromacy



Original Color

48.8930, 56.9824, 20.9921

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.7629, 53.7188, 40.5996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8930, 56.9824, 20.9921 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(204, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 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(204, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 102) }
```

Border

The CSS property to change the border of an element to XYZ 48.8930, 56.9824, 20.9921 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(204, 204, 102) }
```


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

```
.border{ border-color:rgb(204, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8930, 56.9824, 20.9921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 102) }
```

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

```
.background{ background-color: rgb(204,  
204, 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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