

Converting Colors

XYZ(48.5322, 56.6813, 20.6749)

Have a look what the booklet for
XYZ(48.5322, 56.6813, 20.6749)
contains.

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Color

**XYZ(48.5704, 56.8218,
20.7197)**

Conversions

Conversions Part 1

Format	Color
Hex	CBCC65
RGB	203, 204, 101
RGB Percent	80%, 80%, 40%
CMY	0.2039, 0.2000, 0.6039
CMYK	0.00, 0.00, 0.50, 0.20
HSL	61°, 50%, 60%
HSV	61°, 50%, 80%
XYZ	48.5704, 56.8218, 20.7197
YIQ	191.9590, 32.4670, -32.2450

Conversions

Conversions Part 2

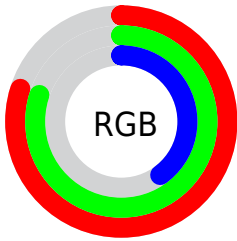
Format	Color
RYB	101, 204, 102
Decimal	13356133
CIELab	80.08, -14.39, 50.62
CIELCh	80, 52.623, 105.872
Yxy	56.8218, 0.3851, 0.4506
Android (android.graphics.Color)	4291546213 (0xFFCBCC65)
YUV	191.9590, -44.8428, 9.6830
Hunter-Lab	75.3802, -16.9010, 36.4692

Details

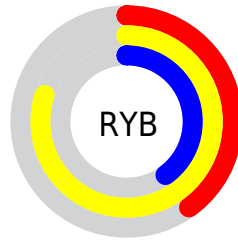
The XYZ color **48.5704, 56.8218, 20.7197** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.0342, 16.4931, 59.2050**, and the grayscale version is **50.3205, 52.9411, 57.6528**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **23.4933, 28.2375, 7.1179** is the 20% darker color. If you saturate the color by 10%, you get **47.6388, 56.4449, 16.0908**, and if you desaturate by 10%, it is **49.7529, 57.3032, 26.6575**.

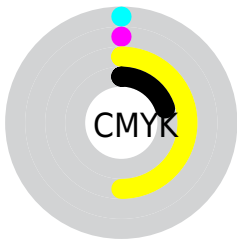
Distribution



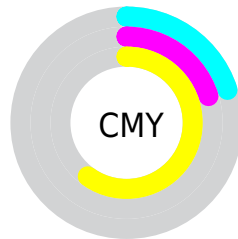
- Red (80%)
- Green (80%)
- Blue (40%)



- 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 48.5704, 56.8218, 20.7197 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 48.5704, 56.8218, 20.7197 by changing the saturation by 10% instead.

 48.5704, 56.8218,
20.7197


 48.5704, 56.8218,
20.7197


371.5937,
412.7812, 268.5170

 34.4919, 40.8622,
12.7300


 87.2576, 100.2051,
45.4953


 23.4365, 28.2114,
7.1144


 112.5971,
128.3976, 63.1183

 15.0386, 18.4851,
3.4542


 142.4210,
161.4365, 84.7895

 8.9330, 11.2988,
1.3310

 177.0946,
199.7063, 110.9274

 4.7542, 6.2682,
0.0870

216.9834,
243.5912, 141.9505

 2.1371, 3.0088,
0.0000

262.4525,

 0.7092, 1.1363,

293.4758, 178.2775

0.0000

313.8675,
349.7443, 220.3268

■ 0.0000, 0.0088,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5704, 56.8218,
20.7197

■ 48.5704, 56.8218,
20.7197

■ 47.6388, 56.4449,
16.0908

■ 49.7529, 57.3032,
26.6575

■ 46.9352, 56.1573,
12.6687


■ 51.1991, 57.8879,
33.9891


■ 46.4398, 55.9529,
10.3422


■ 52.9255, 58.5848,
42.7964


■ 46.1272, 55.8216,
8.9777


■ 54.9464, 59.3994,
53.1538


 45.9549, 55.7467,
8.3381

 57.2750, 60.3371,
65.1310

 59.9236, 61.4029,
78.7931

 62.9040, 62.6014,
94.2021

 64.7089, 63.3297,
103.4211

 64.7638, 63.3580,
103.4236

Harmonies

Analogous

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



59.1902, 56.8218, 20.4966



48.5704, 56.8218, 20.7197



40.5367, 56.8218, 29.2269

Triad

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



48.5704, 56.8218, 20.7197



40.9037, 56.8218, 114.5745



76.5336, 56.8218, 77.4063

Complementary

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



48.5704, 56.8218, 20.7197



21.0342, 16.4931, 59.2050

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.



70.1737, 56.8218, 112.6721



48.5704, 56.8218, 20.7197



49.1363, 56.8218, 138.4705

Square

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



48.5704, 56.8218, 20.7197



36.5263, 56.8218, 79.4358



59.8358, 56.8218, 137.6776



76.3293, 56.8218, 47.1045

Rectangle

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



48.5704, 56.8218, 20.7197



37.3130, 56.8218, 40.7612



59.8358, 56.8218, 137.6776



75.0596, 56.8218, 89.2371

Sweetspot

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



48.5718, 56.8244, 20.7209



89.3546, 97.7060, 79.6249



31.9064, 23.0857, 15.0870



18.9744, 20.8522, 16.2685



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.



48.5718, 56.8244, 20.7209



78.7171, 93.4025, 25.7972



36.9867, 50.8521, 20.1787



12.1426, 13.0909, 11.9663



28.9278, 35.0881, 5.2480



1.4959, 1.8120, 0.2709

Inverse Universe

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



21.0342, 16.4931, 59.2050



27.9179, 18.9941, 96.8025



28.5972, 20.3920, 59.5590



10.6117, 10.8491, 14.1052



6.8803, 2.7545, 36.1253



0.3586, 0.1440, 1.8638

Previews

White Background



This preview shows how the XYZ color 48.5704, 56.8218, 20.7197 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 48.5704, 56.8218, 20.7197 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

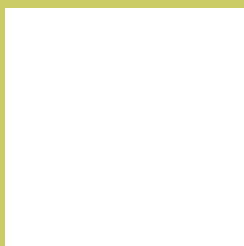
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5704, 56.8218, 20.7197

Background



This preview shows how black text looks on a background with the XYZ color 48.5704, 56.8218, 20.7197.



This preview shows how white text looks on a background with the XYZ color 48.5704, 56.8218,

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

48.5704, 56.8218, 20.7197

Protanopia

51.8890, 56.8078, 20.0345

Deuteranopia

57.7095, 56.4698, 21.2227



Tritanopia

57.8437, 56.5004, 66.8885

Trichromacy



Original Color

48.5704, 56.8218, 20.7197

Protanomaly

50.6275, 56.8395, 20.3594

Deuteranomaly

53.7854, 56.0770, 21.0859

Tritanomaly

53.3862, 56.0086, 45.0428

Monochromacy



Original Color

48.5704, 56.8218, 20.7197

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 48.5704, 56.8218, 20.7197 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(203, 204, 101)` looks like.

```
.text, #text, p{  
    color:rgb(203, 204, 101)  
}
```

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(203, 204, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 204, 101) }
```

Border

The CSS property to change the border of an element to XYZ 48.5704, 56.8218, 20.7197 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(203, 204, 101) }
```


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

```
.border{ border-color:rgb(203, 204, 101) }
```

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

Here you see how a box with a 4 pixel rgb(203, 204, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 204, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 204, 101);  
box-shadow:4px 4px 4px 4px rgb(203, 204,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5704, 56.8218, 20.7197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 204, 101) }
```

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

```
.background{ background-color: rgb(203,  
204, 101) }
```

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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