

Converting Colors

XYZ(50.7477, 58.0456, 20.2986)

Have a look what the booklet for
XYZ(50.7477, 58.0456, 20.2986)
contains.

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Color

**XYZ(50.7090, 57.9355,
20.3144)**

Conversions

Conversions Part 1

Format	Color
Hex	D3CC63
RGB	211, 204, 99
RGB Percent	83%, 80%, 39%
CMY	0.1726, 0.2000, 0.6118
CMYK	0.00, 0.03, 0.53, 0.17
HSL	56°, 56%, 61%
HSV	56°, 53%, 83%
XYZ	50.7090, 57.9355, 20.3144
YIQ	194.1230, 37.8770, -31.1710

Conversions

Conversions Part 2

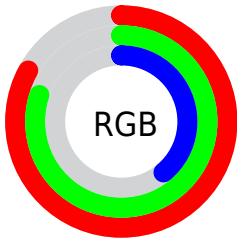
Format	Color
R _{YB}	106, 211, 99
Decimal	13880419
CIE Lab	80.70, -11.30, 52.45
CIE LCh	81, 53.650, 102.155
Yxy	57.9355, 0.3932, 0.4493
Android (android.graphics.Color)	4292070499 (0xFFD3CC63)
YUV	194.1230, -46.8956, 14.8011
Hunter-Lab	76.1154, -14.2830, 37.4569

Details

The XYZ color **50.7090, 57.9355, 20.3144** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.0575, 17.6634, 63.8747**, and the grayscale version is **51.6056, 54.2932, 59.1252**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **24.7459, 28.8880, 6.9610** is the 20% darker color. If you saturate the color by 10%, you get **49.5179, 56.9622, 15.5744**, and if you desaturate by 10%, it is **52.1691, 59.0249, 26.4454**.

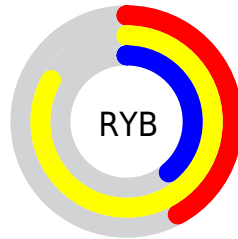
Distribution



Red (83%)

Green (80%)

Blue (39%)



Red (42%)

Yellow (83%)

Blue (39%)

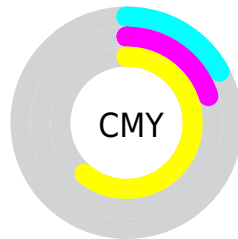


Cyan (0%)

Magenta (3%)

Yellow (53%)

Black (17%)



Cyan (17%)

Magenta (20%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7090, 57.9355, 20.3144 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 50.7090, 57.9355, 20.3144 by changing the saturation by 10% instead.

50.7090, 57.9355,
20.3144

50.7090, 57.9355,
20.3144

379.8384,
416.9456, 266.2724

36.1972, 41.7568,
12.4374

90.4100, 101.8289,
44.8096

24.7573, 28.9109,
6.9162

116.3300,
130.3124, 62.2648

16.0241, 19.0134,
3.3321

146.7833,
163.6663, 83.7500

9.6322, 11.6800,
1.2666

182.1354,
202.2750, 109.6835

5.2162, 6.5262,
0.0342

222.7516,
246.5229, 140.4840

2.4107, 3.1676,
0.0000

268.9972,

0.8504, 1.2198,

296.7944, 176.5699

0.0000

321.2378,
353.4738, 218.3599

■ 0.0000, 0.0778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.7090, 57.9355,
20.3144

■ 50.7090, 57.9355,
20.3144

■ 49.5179, 56.9622,
15.5744

■ 52.1691, 59.0249,
26.4454

■ 48.5706, 56.0885,
12.1114


■ 53.9127, 60.2299,
34.0626


■ 47.8443, 55.3074,
9.7991

■ 55.9582, 61.5599,
43.2567


■ 47.3098, 54.6072,
8.4840


■ 58.3215, 63.0212,
54.1103


 47.0176, 54.1562,
7.9751

 61.0169, 64.6197,
66.7004

 64.0583, 66.3609,
81.0988

 67.4585, 68.2499,
97.3735

 69.0991, 69.4393,
104.3690

 69.4351, 70.1113,
104.4809

Harmonies

Analogous

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



61.8420, 57.9355, 21.0583



50.7090, 57.9355, 20.3144



41.9927, 57.9355, 27.8509

Triad

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



50.7090, 57.9355, 20.3144



40.7594, 57.9355, 113.4130



77.8870, 57.9355, 83.6429

Complementary

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



50.7090, 57.9355, 20.3144



22.0575, 17.6634, 63.8747

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.



70.6046, 57.9355, 119.8502



50.7090, 57.9355, 20.3144



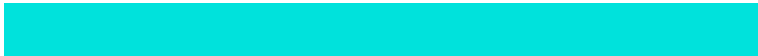
48.8038, 57.9355, 140.6152

Square

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



50.7090, 57.9355, 20.3144



36.7855, 57.9355, 76.7927



59.6656, 57.9355, 143.3015



78.5773, 57.9355, 51.1087

Rectangle

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



50.7090, 57.9355, 20.3144



38.3235, 57.9355, 38.6999



59.6656, 57.9355, 143.3015



76.0879, 57.9355, 96.0135

Sweetspot

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



50.7104, 57.9382, 20.3156



88.3557, 96.0304, 77.6312



33.9520, 23.8235, 16.5729



18.7483, 20.4537, 15.8643



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.



50.7104, 57.9382, 20.3156



75.7575, 87.2181, 22.9214



40.5420, 55.2198, 20.3268



12.7376, 13.6659, 12.5785



28.4034, 32.7399, 4.8224



1.6077, 1.8697, 0.2762

Inverse Universe

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



22.0575, 17.6634, 63.8747



27.1942, 18.9861, 96.8391



28.3487, 19.8800, 63.9709



11.2221, 11.5345, 14.8786



7.2100, 3.0666, 37.4044



0.4244, 0.2140, 2.0985

Previews

White Background



This preview shows how the XYZ color 50.7090, 57.9355, 20.3144 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 50.7090, 57.9355, 20.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

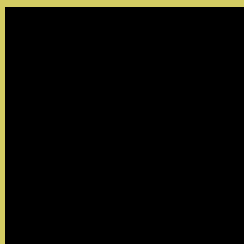
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7090, 57.9355, 20.3144

Background



This preview shows how black text looks on a background with the XYZ color 50.7090, 57.9355, 20.3144.



This preview shows how white text looks on a background with the XYZ color 50.7090, 57.9355,

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

50.7090, 57.9355, 20.3144

Protanopia

52.9831, 57.7200, 19.9038

Deuteranopia

59.0351, 57.8137, 20.6181



Tritanopia

60.2363, 57.7339, 67.0004

Trichromacy



Original Color

50.7090, 57.9355, 20.3144

Protanomaly

52.0047, 57.5606, 19.9246

Deuteranomaly

55.6932, 57.7431, 20.5221

Tritanomaly

55.7213, 57.2124, 45.1521

Monochromacy



Original Color

50.7090, 57.9355, 20.3144

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.2715, 55.1707, 40.8003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7090, 57.9355, 20.3144 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(211, 204, 99)` looks like.

```
.text, #text, p{  
    color:rgb(211, 204, 99)  
}
```

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(211, 204, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 204, 99) }
```

Border

The CSS property to change the border of an element to XYZ 50.7090, 57.9355, 20.3144 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(211, 204, 99) }
```


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

```
.border{ border-color:rgb(211, 204, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 204, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 204, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 204, 99);  
box-shadow:4px 4px 4px 4px rgb(211, 204,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7090, 57.9355, 20.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 204, 99) }
```

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

```
.background{ background-color: rgb(211,  
204, 99) }
```

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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