

Converting Colors

XYZ(50.0850, 54.9457, 25.4821)

Have a look what the booklet for
XYZ(50.0850, 54.9457, 25.4821)
contains.

XYZ(50.1600, 55.1133, 25.4470)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.1600, 55.1133,
25.4470)**

Conversions

Conversions Part 1

Format	Color
Hex	D3C577
RGB	211, 197, 119
RGB Percent	83%, 77%, 47%
CMY	0.1725, 0.2274, 0.5333
CMYK	0.00, 0.07, 0.44, 0.17
HSL	51°, 51%, 65%
HSV	51°, 44%, 83%
XYZ	50.1600, 55.1133, 25.4470
YIQ	192.2940, 33.3820, -21.2900

Conversions

Conversions Part 2

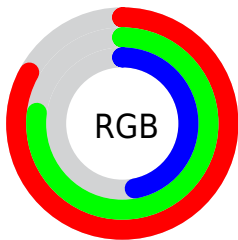
Format	Color
R _Y B	136, 211, 119
Decimal	13878647
CIE Lab	79.11, -5.88, 40.78
CIE LCh	79, 41.205, 98.210
Yxy	55.1133, 0.3837, 0.4216
Android (android.graphics.Color)	4292068727 (0xFFD3C577)
YUV	192.2940, -36.1339, 16.4052
Hunter-Lab	74.2383, -9.3115, 31.6437

Details

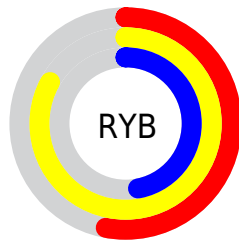
The XYZ color **50.1600, 55.1133, 25.4470** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.7530, 25.3994, 65.0677**, and the grayscale version is **50.4670, 53.0952, 57.8206**.

A 20% lighter version of the original color is **84.1282, 95.1222, 52.9561**, and **24.4142, 27.0432, 9.5633** is the 20% darker color. If you saturate the color by 10%, you get **48.3103, 53.2216, 19.2577**, and if you desaturate by 10%, it is **52.3093, 57.1536, 33.1253**.

Distribution



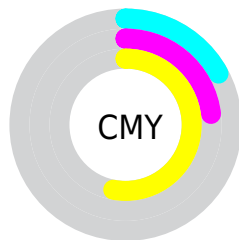
- Red (83%)
- Green (77%)
- Blue (47%)



- Red (53%)
- Yellow (83%)
- Blue (47%)



- Cyan (0%)
- Magenta (7%)
- Yellow (44%)
- Black (17%)





- Cyan (17%)
- Magenta (23%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1600, 55.1133, 25.4470 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 50.1600, 55.1133, 25.4470 by changing the saturation by 10% instead.


 50.1600, 55.1133,
25.4470

 50.1600, 55.1133,
25.4470


377.7330,
406.3413, 293.5754


 35.7589, 39.4924,
16.1884


 89.6023, 97.7069,
53.3545

 24.4173, 27.1430,
9.5017


 115.3742,
125.4485, 72.8405

 15.7698, 17.6807,
4.9686


 145.6670,
157.9991, 96.5727

 9.4512, 10.7210,
2.1704

180.8461,
195.7431, 124.9696

 5.0961, 5.8795,
0.6572

221.2770,
239.0649, 158.4498

 2.3391, 2.7720,
0.0000

267.3248,

 0.8146, 1.0139,

288.3490, 197.4318

0.0000

319.3550,
343.9796, 242.3341

■ 0.0000, 0.0000,
0.0000

■ 50.1600, 55.1133,
25.4470

■ 50.1600, 55.1133,
25.4470

■ 48.3103, 53.2216,
19.2577

■ 52.3093, 57.1536,
33.1253

■ 46.7372, 51.4633,
14.4547

■ 54.7712, 59.3420,
42.3792

■ 45.4208, 49.8321,
10.9280


■ 57.5631, 61.6875,
53.2929


■ 44.3366, 48.3182,
8.5489


■ 60.6996, 64.1961,
65.9435


■ 43.4550, 46.9096,
7.1621


■ 64.1945, 66.8735,
80.4031

 42.9647, 46.0503,
6.6241

 68.0609, 69.7251,
96.7401

 70.3690, 71.9791,
104.7923

 71.2169, 73.6748,
105.0749

 72.0810, 75.4031,
105.3629

Harmonies

Analogous

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



58.4685, 55.1133, 27.0419



50.1600, 55.1133, 25.4470



43.2078, 55.1133, 31.0196

Triad

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



50.1600, 55.1133, 25.4470



40.9264, 55.1133, 92.5660



68.4625, 55.1133, 78.4167

Complementary

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



50.1600, 55.1133, 25.4470



27.7530, 25.3994, 65.0677

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.



62.7742, 55.1133, 103.0354



50.1600, 55.1133, 25.4470



46.7361, 55.1133, 112.5791

Square

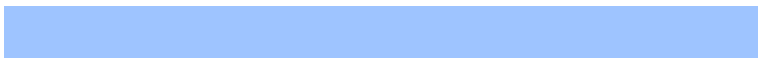
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.1600, 55.1133, 25.4470



38.2532, 55.1133, 66.7040



54.6718, 55.1133, 116.8431



69.6245, 55.1133, 53.7777

Rectangle

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



50.1600, 55.1133, 25.4470



40.0716, 55.1133, 39.1928



54.6718, 55.1133, 116.8431



66.9897, 55.1133, 87.1348

Sweetspot

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



50.1613, 55.1158, 25.4481



88.5771, 94.8706, 82.6452



37.7875, 28.7737, 26.2393



18.7437, 20.1291, 16.8349



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.



50.1613, 55.1158, 25.4481



74.4372, 81.9941, 30.4457



45.5244, 57.6639, 26.1843



12.6439, 13.4784, 12.5472



25.9897, 27.9124, 4.0178



1.4956, 1.6456, 0.2388

Inverse Universe

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



27.7530, 25.3994, 65.0677



35.8909, 30.9031, 98.6810



30.8717, 24.3499, 64.7008



11.3068, 11.7038, 14.9068



7.4565, 3.5596, 37.4866



0.4641, 0.2934, 2.1117

Previews

White Background



This preview shows how the XYZ color 50.1600, 55.1133, 25.4470 looks on a white background.

Color Contrast Check

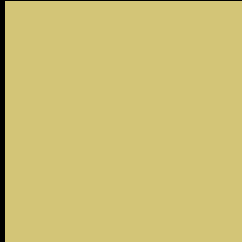
Large Text (above 18pt) WCAG AA × Fail

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 50.1600, 55.1133, 25.4470 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 50.1600, 55.1133, 25.4470

Background



This preview shows how black text looks on a background with the XYZ color 50.1600, 55.1133, 25.4470.



This preview shows how white text looks on a background with the XYZ color 50.1600, 55.1133,

25.4470.

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

50.1600, 55.1133, 25.4470

Protanopia

50.8013, 55.1079, 25.4121

Deuteranopia

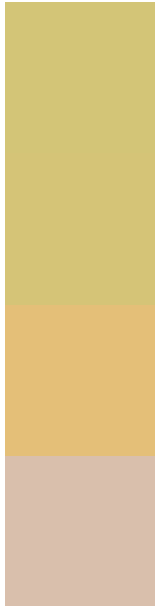
56.1466, 54.9256, 25.7316



Tritanopia

57.9462, 55.0206, 63.4431

Trichromacy



Original Color

50.1600, 55.1133, 25.4470

Protanomaly

50.5103, 54.9579, 25.3985

Deuteranomaly

54.0159, 55.1116, 25.5600

Tritanomaly

54.6925, 54.9919, 46.7616

Monochromacy



Original Color

50.1600, 55.1133, 25.4470

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.6365, 53.4423, 43.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1600, 55.1133, 25.4470 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, 197, 119)` looks like.

```
.text, #text, p{  
    color:rgb(211, 197, 119)  
}
```

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, 197, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 197, 119) }
```

Border

The CSS property to change the border of an element to XYZ 50.1600, 55.1133, 25.4470 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, 197, 119) }
```


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

```
.border{ border-color:rgb(211, 197, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 197, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 197, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 197, 119);  
box-shadow:4px 4px 4px 4px rgb(211, 197,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1600, 55.1133, 25.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 197, 119) }
```

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

```
.background{ background-color: rgb(211,  
197, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor