

Converting Colors

XYZ(55.9705, 66.7954, 45.1449)

Have a look what the booklet for
XYZ(55.9705, 66.7954, 45.1449)
contains.

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Color

**XYZ(56.1108, 66.9287,
45.0831)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DEA4
RGB	198, 222, 164
RGB Percent	78%, 87%, 64%
CMY	0.2235, 0.1294, 0.3569
CMYK	0.11, 0.00, 0.26, 0.13
HSL	85°, 47%, 76%
HSV	85°, 26%, 87%
XYZ	56.1108, 66.9287, 45.0831
YIQ	208.2120, 4.3140, -23.1260

Conversions

Conversions Part 2

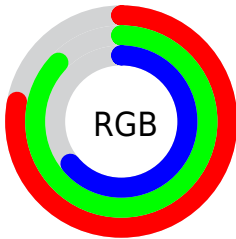
Format	Color
RYB	164, 222, 188
Decimal	13033124
CIELab	85.47, -17.92, 25.88
CIELCh	85, 31.476, 124.701
Yxy	66.9287, 0.3337, 0.3981
Android (android.graphics.Color)	4291223204 (0xFFC6DEA4)
YUV	208.2120, -21.7965, -8.9559
Hunter-Lab	81.8100, -20.7401, 24.5940

Details

The XYZ color **56.1108, 66.9287, 45.0831** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.2021, 42.5181, 74.8300**, and the grayscale version is **60.2283, 63.3649, 69.0043**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **28.2449, 34.7366, 20.5454** is the 20% darker color. If you saturate the color by 10%, you get **51.9301, 64.9873, 35.3199**, and if you desaturate by 10%, it is **60.7919, 69.0917, 56.6993**.

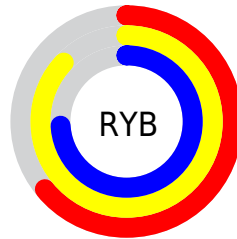
Distribution



Red (78%)

Green (87%)

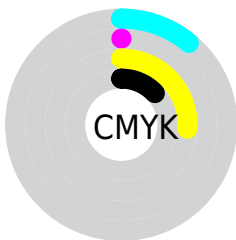
Blue (64%)



Red (64%)

Yellow (87%)

Blue (74%)

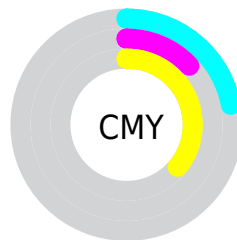


Cyan (11%)

Magenta (0%)

Yellow (26%)

Black (13%)



Cyan (22%)


Magenta (13%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1108, 66.9287, 45.0831 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 56.1108, 66.9287, 45.0831 by changing the saturation by 10% instead.


 56.1108, 66.9287,
45.0831


 56.1108, 66.9287,
45.0831


400.1772,
449.6909, 383.2799

 40.5291, 49.0267,
31.1795


 98.3054, 114.8182,
84.1649

 28.1374, 34.6406,
20.4759


 125.6491,
145.5746, 110.1801

 18.5702, 23.3862,
12.5540


157.6441,
181.3844, 141.0696

 11.4623, 14.8789,
6.9950

194.6559,
222.6322, 177.2519

 6.4483, 8.7345,
3.3806

237.0497,
269.7024, 219.1455

 3.1628, 4.5684,
1.2921

285.1909,

 1.2404, 1.9963,

322.9793, 267.1690

0.0553

339.4450,
382.8474, 321.7410

■ 0.1379, 0.6053,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.1108, 66.9287,
45.0831

■ 56.1108, 66.9287,
45.0831

■ 51.9301, 64.9873,
35.3199

■ 60.7919, 69.0917,
56.6993

■ 48.2239, 63.2501,
27.3094

■ 65.9877, 71.4756,
70.2531

■ 44.9713, 61.7108,
20.9485

■ 71.7180, 74.0909,
85.8291

■ 42.1478, 60.3591,
16.1216

■ 78.0001, 76.9447,
103.5057

■ 39.7257, 59.1838,
12.6979

■ 81.4599, 78.6876,
105.5026

■ 37.6732, 58.1716,
10.5251

■ 84.7270, 80.3719,
105.6555

■ 35.9513, 57.3068,
9.4134

■ 85.4127, 80.7254,
105.6876

■ 35.3482, 57.0013,
9.1393

Harmonies

Analogous

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



62.4948, 66.9287, 40.2811



56.1108, 66.9287, 45.0831



51.9869, 66.9287, 57.3237

Triad

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



56.1108, 66.9287, 45.0831



57.9230, 66.9287, 114.5342



78.3073, 66.9287, 69.6979

Complementary

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



56.1108, 66.9287, 45.0831



47.2021, 42.5181, 74.8300

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.



76.8564, 66.9287, 91.0092



56.1108, 66.9287, 45.0831



64.7459, 66.9287, 119.5261

Square

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



56.1108, 66.9287, 45.0831



52.9770, 66.9287, 97.6386



71.7573, 66.9287, 110.2319



75.5867, 66.9287, 52.6966

Rectangle

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



56.1108, 66.9287, 45.0831



50.8945, 66.9287, 69.3010



71.7573, 66.9287, 110.2319



78.2930, 66.9287, 76.5677

Sweetspot

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



56.1125, 66.9316, 45.0845



88.8995, 97.1888, 92.3684



54.6403, 53.8378, 42.6348



18.7920, 20.6942, 19.1483



0.0000, 0.0000, 0.0000



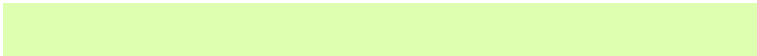
20.3446, 21.4041, 23.3091

Same Dimension

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



56.1125, 66.9316, 45.0845



73.8031, 90.2272, 54.5741



49.3586, 63.4498, 44.7685



14.2948, 15.7321, 14.5900



21.1243, 33.9225, 5.4343



1.5653, 2.4034, 0.3814

Inverse Universe

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



47.2021, 42.5181, 74.8300



59.7654, 51.7576, 101.4480



54.8409, 46.4560, 75.1875



13.4867, 13.5189, 17.2863



10.5654, 4.5420, 41.3682



0.8324, 0.3664, 2.8721

Previews

White Background



This preview shows how the XYZ color 56.1108, 66.9287, 45.0831 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 56.1108, 66.9287, 45.0831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

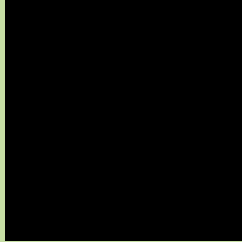
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.1108, 66.9287, 45.0831

Background



This preview shows how black text looks on a background with the XYZ color 56.1108, 66.9287, 45.0831.



This preview shows how white text looks on a background with the XYZ color 56.1108, 66.9287,

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

56.1108, 66.9287, 45.0831

Protanopia

62.1343, 66.6205, 42.8419

Deuteranopia

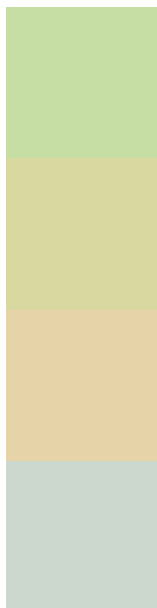
67.9661, 66.6295, 46.3244



Tritanopia

64.0896, 66.7116, 84.3616

Trichromacy



Original Color

56.1108, 66.9287, 45.0831

Protanomaly

59.6042, 66.4367, 43.4003

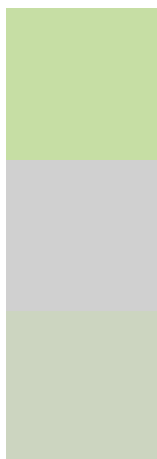
Deuteranomaly

62.9024, 66.2015, 46.0221

Tritanomaly

60.5983, 66.4053, 68.0162

Monochromacy



Original Color

56.1108, 66.9287, 45.0831

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.2105, 64.2316, 59.1991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1108, 66.9287, 45.0831 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(198, 222, 164)` looks like.

```
.text, #text, p{  
    color:rgb(198, 222, 164)  
}
```

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(198, 222, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 222, 164) }
```

Border

The CSS property to change the border of an element to XYZ 56.1108, 66.9287, 45.0831 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(198, 222, 164) }
```


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

```
.border{ border-color:rgb(198, 222, 164) }
```

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

Here you see how a box with a 4 pixel rgb(198, 222, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 222, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 222, 164);  
box-shadow:4px 4px 4px 4px rgb(198, 222,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1108, 66.9287, 45.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 222, 164) }
```

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

```
.background{ background-color: rgb(198,  
222, 164) }
```

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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