

Converting Colors

XYZ(51.0230, 57.1785, 45.8835)

Have a look what the booklet for
XYZ(51.0230, 57.1785, 45.8835)
contains.

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Color

**XYZ(51.0230, 57.1785,
45.8835)**

Conversions

Conversions Part 1

Format	Color
Hex	C3CBA9
RGB	195, 203, 169
RGB Percent	76%, 80%, 66%
CMY	0.2353, 0.2039, 0.3372
CMYK	0.04, 0.00, 0.17, 0.20
HSL	74°, 25%, 73%
HSV	74°, 17%, 80%
XYZ	51.0230, 57.1785, 45.8835
YIQ	196.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

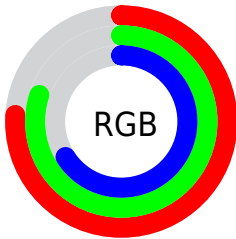
Format	Color
RYB	169, 203, 177
Decimal	12831657
CIELab	80.28, -8.64, 16.06
CIElCh	80, 18.232, 118.280
Yxy	57.1785, 0.3311, 0.3711
Android (android.graphics.Color)	4291021737 (0xFFC3CBA9)
YUV	196.7320, -13.6719, -1.5190
Hunter-Lab	75.6165, -11.8841, 16.9548

Details

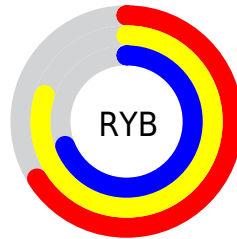
The XYZ color **51.0230, 57.1785, 45.8835** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.1012, 42.0364, 62.3451**, and the grayscale version is **52.9878, 55.7472, 60.7088**.

A 20% lighter version of the original color is **89.3594, 97.5973, 84.6494**, and **24.9428, 28.4420, 21.0048** is the 20% darker color. If you saturate the color by 10%, you get **48.0488, 55.8503, 36.5566**, and if you desaturate by 10%, it is **54.3358, 58.6504, 56.7732**.

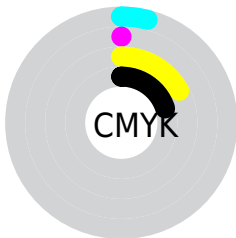
Distribution



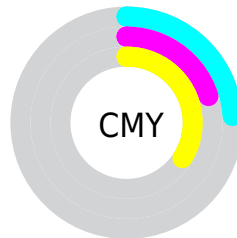
- Red (76%)
- Green (80%)
- Blue (66%)



- Red (66%)
- Yellow (80%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (24%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0230, 57.1785, 45.8835 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 51.0230, 57.1785, 45.8835 by changing the saturation by 10% instead.


 51.0230, 57.1785,
45.8835

 51.0230, 57.1785,
45.8835


381.0393,
414.1178, 386.6040

 36.4480, 41.1486,
31.8059


 90.8716, 100.7256,
85.3771

 24.9521, 28.4352,
20.9497


116.8759,
129.0116, 111.6301

 16.1699, 18.6540,
12.8963


147.4206,
162.1516, 142.7787

 9.7361, 11.4205,
7.2273


182.8713,
200.5302, 179.2414

 5.2853, 6.3504,
3.5241

223.5931,
244.5318, 221.4368

 2.4521, 3.0593,
1.3681

269.9515,

 0.8711, 1.1628,

294.5406, 269.7833

0.1166

322.3118,
350.9412, 324.6995

■ 0.0000, 0.0310,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.0230, 57.1785,
45.8835

■ 51.0230, 57.1785,
45.8835

■ 48.0488, 55.8503,
36.5566

■ 54.3358, 58.6504,
56.7732

■ 45.3945, 54.6528,
28.7171

■ 57.9956, 60.2639,
69.2890

■ 43.0467, 53.5823,
22.2890

■ 62.0163, 62.0264,
83.4953

■ 40.9889, 52.6323,
17.1878

■ 66.4096, 63.9426,
99.4520

■ 39.2032, 51.7954,
13.3204

■ 68.5887, 64.9778,
103.5347

■ 37.6690, 51.0636,
10.5813

■ 70.0462, 65.7292,
103.6029

■ 36.3627, 50.4272,
8.8476

■ 71.5454, 66.5021,
103.6731

■ 35.2532, 49.8737,
7.9580

■ 73.0866, 67.2966,
103.7452

■ 34.9165, 49.7043,
7.7536

■ 74.6700, 68.1129,
103.8193

Harmonies

Analogous

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



54.5617, 57.1785, 43.9219



51.0230, 57.1785, 45.8835



48.4785, 57.1785, 52.0831

Triad

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



51.0230, 57.1785, 45.8835



50.6668, 57.1785, 81.3881



61.8250, 57.1785, 62.8754

Complementary

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



51.0230, 57.1785, 45.8835



43.1012, 42.0364, 62.3451

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.



60.6698, 57.1785, 73.6778



51.0230, 57.1785, 45.8835



54.1318, 57.1785, 85.0954

Square

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



51.0230, 57.1785, 45.8835



48.2795, 57.1785, 72.4912



57.8112, 57.1785, 82.1264



60.9015, 57.1785, 53.0356

Rectangle

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



51.0230, 57.1785, 45.8835



47.6304, 57.1785, 58.1831



57.8112, 57.1785, 82.1264



61.6659, 57.1785, 66.5182

Sweetspot

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



51.0245, 57.1810, 45.8847



91.9690, 98.6410, 98.3937



47.5010, 46.9808, 44.1016



19.5951, 21.0734, 20.7564



0.0000, 0.0000, 0.0000



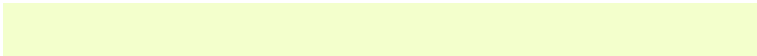
20.3446, 21.4041, 23.3091

Same Dimension

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



51.0245, 57.1810, 45.8847



83.6194, 94.9334, 71.0435



46.8947, 55.0520, 45.6915



11.8857, 12.9585, 11.9542



22.3035, 31.6732, 4.9380



1.2148, 1.6671, 0.2578

Inverse Universe

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



43.1012, 42.0364, 62.3451



67.9633, 65.0055, 103.5730



47.2004, 44.1497, 62.5370



10.8449, 10.9693, 14.1161



7.6974, 3.1757, 36.1635



0.4666, 0.1997, 1.8689

Previews

White Background



This preview shows how the XYZ color 51.0230, 57.1785, 45.8835 looks on a white background.

Color Contrast Check

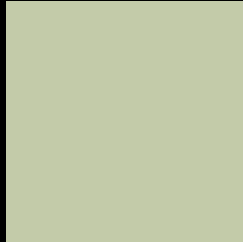
Large Text (above 18pt) WCAG AA × Fail

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 51.0230, 57.1785, 45.8835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

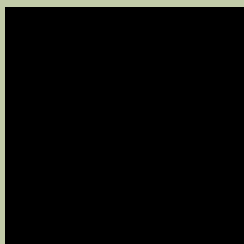
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

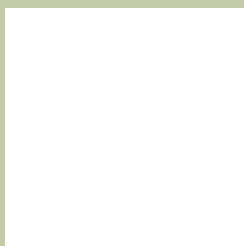
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.0230, 57.1785, 45.8835

Background



This preview shows how black text looks on a background with the XYZ color 51.0230, 57.1785, 45.8835.



This preview shows how white text looks on a background with the XYZ color 51.0230, 57.1785,

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

51.0230, 57.1785, 45.8835

Protanopia

53.7475, 56.8798, 44.7053

Deuteranopia

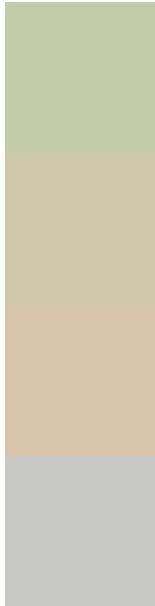
58.1952, 57.1335, 46.4887



Tritanopia

55.9373, 57.1035, 70.3612

Trichromacy



Original Color

51.0230, 57.1785, 45.8835

Protanomaly

52.8990, 57.1148, 45.2820

Deuteranomaly

55.3145, 56.9811, 46.1133

Tritanomaly

53.9404, 56.9745, 60.3788

Monochromacy



Original Color

51.0230, 57.1785, 45.8835

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.1580, 56.1705, 55.1067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0230, 57.1785, 45.8835 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(195, 203, 169)` looks like.

```
.text, #text, p{  
    color:rgb(195, 203, 169)  
}
```

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(195, 203, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 203, 169) }
```

Border

The CSS property to change the border of an element to XYZ 51.0230, 57.1785, 45.8835 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(195, 203, 169) }
```


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

```
.border{ border-color:rgb(195, 203, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 203, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 203, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 203, 169); box-shadow:4px 4px 4px 4px rgb(195, 203, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0230, 57.1785, 45.8835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 203, 169) }
```

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

```
.background{ background-color: rgb(195,  
203, 169) }
```

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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