

Converting Colors

XYZ(51.7132, 55.2906, 46.4220)

Have a look what the booklet for
XYZ(51.7132, 55.2906, 46.4220)
contains.

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Color

**XYZ(51.9455, 55.5693,
46.5162)**

Conversions

Conversions Part 1

Format	Color
Hex	CBC5AB
RGB	203, 197, 171
RGB Percent	80%, 77%, 67%
CMY	0.2039, 0.2274, 0.3294
CMYK	0.00, 0.03, 0.16, 0.20
HSL	49°, 24%, 73%
HSV	49°, 16%, 80%
XYZ	51.9455, 55.5693, 46.5162
YIQ	195.8300, 11.9220, -6.8140

Conversions

Conversions Part 2

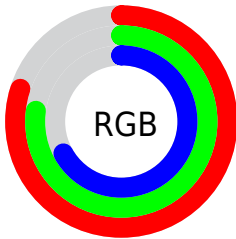
Format	Color
RYB	178, 203, 171
Decimal	13354411
CIELab	79.37, -2.27, 13.80
CIElCh	79, 13.984, 99.356
Yxy	55.5693, 0.3372, 0.3608
Android (android.graphics.Color)	4291544491 (0xFFCBC5AB)
YUV	195.8300, -12.2412, 6.2881
Hunter-Lab	74.5448, -6.0682, 15.1842

Details

The XYZ color **51.9455, 55.5693, 46.5162** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.2960, 44.4130, 62.7908**, and the grayscale version is **52.4347, 55.1654, 60.0751**.

A 20% lighter version of the original color is **90.4093, 97.6346, 86.0318**, and **25.5467, 27.3664, 21.3886** is the 20% darker color. If you saturate the color by 10%, you get **49.3050, 53.1505, 36.8116**, and if you desaturate by 10%, it is **54.9080, 58.1555, 57.7956**.

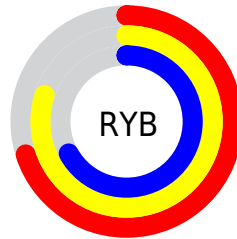
Distribution



Red (80%)

Green (77%)

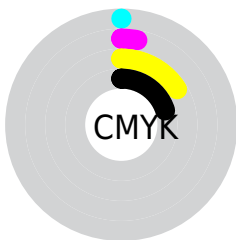
Blue (67%)



Red (70%)

Yellow (80%)

Blue (67%)

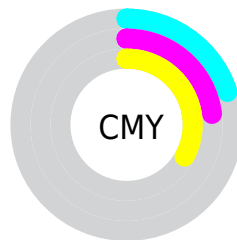


Cyan (0%)

Magenta (3%)

Yellow (16%)

Black (20%)



Cyan (20%)

Magenta (23%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9455, 55.5693, 46.5162 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 51.9455, 55.5693, 46.5162 by changing the saturation by 10% instead.

■ 51.9455, 55.5693,
46.5162

■ 51.9455, 55.5693,
46.5162

384.5536,
408.0663, 389.2178

■ 37.1857, 39.8577,
32.3018

■ 92.2256, 98.3746,
86.3334

■ 25.5257, 27.4276,
21.3254

118.4766,
126.2370, 112.7733

■ 16.5999, 17.8946,
13.1685

149.2887,
158.9186, 144.1253

■ 10.0432, 10.8744,
7.4126

185.0273,
196.8036, 180.8081

■ 5.4901, 5.9824,
3.6391

226.0577,
240.2765, 223.2403

■ 2.5753, 2.8344,
1.4295

272.7453,

■ 0.9334, 1.0459,

289.7217, 271.8402

0.1646

325.4555,
345.5235, 327.0265

■ 0.0000, 0.0000,
0.0000

■ 51.9455, 55.5693,
46.5162

■ 51.9455, 55.5693,
46.5162

■ 49.3050, 53.1505,
36.8116

■ 54.9080, 58.1555,
57.7956

■ 46.9684, 50.8859,
28.6071

■ 58.2008, 60.9072,
70.7130

■ 44.9224, 48.7720,
21.8271

■ 61.8375, 63.8318,
85.3323

■ 43.1510, 46.8020,
16.3880

■ 65.8296, 66.9341,
101.7132

■ 41.6366, 44.9686,
12.1975

■ 67.2403, 69.0397,
104.3898

■ 40.3591, 43.2636,
9.1516

■ 68.2262, 71.0115,
104.7184

■ 39.2956, 41.6774,
7.1295

■ 69.2348, 73.0287,
105.0546

■ 38.4174, 40.1985,
5.9813

■ 70.2662, 75.0916,
105.3984

■ 38.0778, 39.5947,
5.6356

■ 71.3207, 77.2005,
105.7499

Harmonies

Analogous

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



54.7402, 55.5693, 47.1788



51.9455, 55.5693, 46.5162



49.4720, 55.5693, 49.3370

Triad

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



51.9455, 55.5693, 46.5162



48.7578, 55.5693, 70.8322



58.0233, 55.5693, 66.1128

Complementary

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



51.9455, 55.5693, 46.5162



43.2960, 44.4130, 62.7908

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.



56.3093, 55.5693, 73.2439



51.9455, 55.5693, 46.5162



50.9393, 55.5693, 76.1316

Square

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



51.9455, 55.5693, 46.5162



47.6750, 55.5693, 63.0500



53.6981, 55.5693, 77.0511



58.3159, 55.5693, 58.0304

Rectangle

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



51.9455, 55.5693, 46.5162



48.3139, 55.5693, 52.9734



53.6981, 55.5693, 77.0511



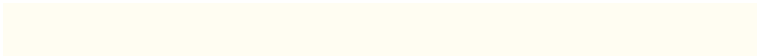
57.5915, 55.5693, 68.7198

Sweetspot

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



51.9470, 55.5718, 46.5174



92.3072, 97.6911, 98.1926



47.1678, 45.0133, 48.0075



19.6775, 20.8417, 20.7073



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.



51.9470, 55.5718, 46.5174



85.3797, 91.6074, 71.9254



50.8015, 57.0426, 46.8617



11.9682, 12.7254, 11.9049



24.2950, 25.3230, 3.6073



1.3007, 1.4012, 0.2019

Inverse Universe

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



43.2960, 44.4130, 62.7908



68.1171, 69.3418, 104.4019



44.3054, 43.2139, 62.5062



10.7690, 11.1784, 14.1604



7.3514, 3.7268, 36.2882



0.4317, 0.2971, 1.8895

Previews

White Background



This preview shows how the XYZ color 51.9455, 55.5693, 46.5162 looks on a white background.

Color Contrast Check

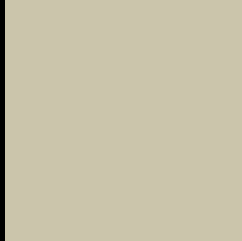
Large Text (above 18pt) WCAG AA × Fail

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 51.9455, 55.5693, 46.5162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

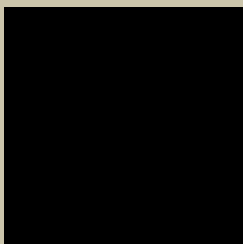
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

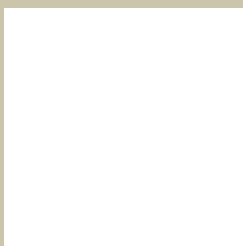
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9455, 55.5693, 46.5162

Background



This preview shows how black text looks on a background with the XYZ color 51.9455, 55.5693, 46.5162.



This preview shows how white text looks on a background with the XYZ color 51.9455, 55.5693,

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

51.9455, 55.5693, 46.5162

Protanopia

52.5442, 55.5419, 46.4794

Deuteranopia

56.4809, 55.2596, 47.2245



Tritanopia

56.1245, 55.6142, 66.8080

Trichromacy



Original Color

51.9455, 55.5693, 46.5162

Protanomaly

52.2675, 55.3993, 46.4664

Deuteranomaly

54.6149, 55.2768, 46.8207

Tritanomaly

54.4830, 55.6004, 58.8993

Monochromacy



Original Color

51.9455, 55.5693, 46.5162

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.2628, 55.2098, 54.9157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9455, 55.5693, 46.5162 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, 197, 171)` looks like.

```
.text, #text, p{  
    color:rgb(203, 197, 171)  
}
```

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, 197, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 197, 171) }
```

Border

The CSS property to change the border of an element to XYZ 51.9455, 55.5693, 46.5162 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, 197, 171) }
```


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

```
.border{ border-color:rgb(203, 197, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 197, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 197, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 197, 171);  
box-shadow:4px 4px 4px 4px rgb(203, 197,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9455, 55.5693, 46.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 197, 171) }
```

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

```
.background{ background-color: rgb(203,  
197, 171) }
```

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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