

Converting Colors

XYZ(45.7615, 50.8615, 39.7538)

Have a look what the booklet for
XYZ(45.7615, 50.8615, 39.7538)
contains.

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Color

**XYZ(45.7602, 50.8593,
39.7527)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC09E
RGB	188, 192, 158
RGB Percent	74%, 75%, 62%
CMY	0.2627, 0.2470, 0.3804
CMYK	0.02, 0.00, 0.18, 0.25
HSL	67°, 21%, 69%
HSV	67°, 18%, 75%
XYZ	45.7602, 50.8593, 39.7527
YIQ	186.9280, 8.5300, -11.4220

Conversions

Conversions Part 2

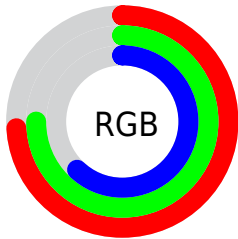
Format	Color
RYB	158, 192, 162
Decimal	12370078
CIELab	76.59, -7.23, 16.70
CIELCh	77, 18.199, 113.411
Yxy	50.8593, 0.3356, 0.3729
Android (android.graphics.Color)	4290560158 (0xFFBCC09E)
YUV	186.9280, -14.2615, 0.9401
Hunter-Lab	71.3157, -10.2668, 16.8716

Details

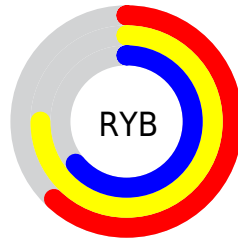
The XYZ color **45.7602, 50.8593, 39.7527** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.6436, 35.9422, 54.8783**, and the grayscale version is **47.2691, 49.7308, 54.1569**.

A 20% lighter version of the original color is **82.8859, 91.1720, 76.1802**, and **21.8781, 24.6777, 17.5201** is the 20% darker color. If you saturate the color by 10%, you get **43.6828, 49.9662, 31.6920**, and if you desaturate by 10%, it is **48.1073, 51.8647, 49.1760**.

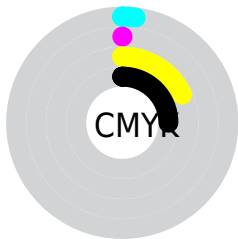
Distribution



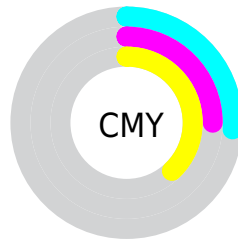
- Red (74%)
- Green (75%)
- Blue (62%)



- Red (62%)
- Yellow (75%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (26%)
- Magenta (25%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7602, 50.8593, 39.7527 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 45.7602, 50.8593, 39.7527 by changing the saturation by 10% instead.


 45.7602, 50.8593,
39.7527

 45.7602, 50.8593,
39.7527


360.5759,
390.0169, 360.6012

 32.2605, 36.0966,
27.0335


 83.0901, 91.4468,
76.0198

 21.7170, 24.5088,
17.3657


 107.6509,
118.0404, 100.4046

 13.7646, 15.7115,
10.3309


136.6295,
149.3464, 129.5152

 8.0377, 9.3202,
5.5104

170.3911,
185.7492, 163.7699

 4.1711, 4.9506,
2.4858

209.3012,
227.6333, 203.5873

 1.7994, 2.2183,
0.8326

253.7252,

 0.5173, 0.7300,

275.3830, 249.3859

0.0000

304.0283,
329.3828, 301.5844

■ 0.0000, 0.0000,
0.0000

■ 45.7602, 50.8593,
39.7527

■ 45.7602, 50.8593,
39.7527

■ 43.6828, 49.9662,
31.6920

■ 48.1073, 51.8647,
49.1760

■ 41.8590, 49.1738,
24.9277

■ 50.7313, 52.9802,
60.0174

■ 40.2773, 48.4793,
19.3929

■ 53.6440, 54.2122,
72.3336

■ 38.9236, 47.8769,
15.0135

■ 56.8555, 55.5647,
86.1769

■ 37.7821, 47.3605,
11.7074

■ 60.3754, 57.0415,
101.5973

■ 36.8353, 46.9229,
9.3818

■ 61.1410, 57.4178,
102.4680

■ 36.0625, 46.5559,
7.9279

■ 61.7557, 57.7347,
102.4968

■ 35.4331, 46.2472,
7.1854

■ 62.3794, 58.0562,
102.5260

■ 35.2973, 46.1800,
7.0533

■ 63.0121, 58.3823,
102.5556

Harmonies

Analogous

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



49.1030, 50.8593, 38.6141



45.7602, 50.8593, 39.7527



43.2228, 50.8593, 44.8384

Triad

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



45.7602, 50.8593, 39.7527



44.5048, 50.8593, 72.0174



55.2112, 50.8593, 57.5788

Complementary

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



45.7602, 50.8593, 39.7527



36.6436, 35.9422, 54.8783

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.



53.8465, 50.8593, 67.4500



45.7602, 50.8593, 39.7527



47.5854, 50.8593, 76.4009

Square

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



45.7602, 50.8593, 39.7527



42.5224, 50.8593, 63.2476



51.0155, 50.8593, 74.6376



54.6660, 50.8593, 48.1883

Rectangle

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



45.7602, 50.8593, 39.7527



42.2758, 50.8593, 50.1443



51.0155, 50.8593, 74.6376



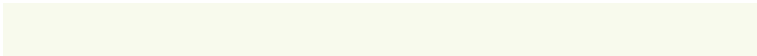
54.9586, 50.8593, 60.9619

Sweetspot

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



45.7615, 50.8615, 39.7538



88.3634, 94.4821, 94.0110



40.8260, 39.5054, 37.8220



18.8868, 20.2397, 19.8808



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



45.7615, 50.8615, 39.7538



81.4919, 91.5426, 66.4510



41.8249, 48.8321, 39.5696



10.7929, 11.6962, 10.7506



23.7929, 31.0945, 4.7478



1.0617, 1.3609, 0.2067

Inverse Universe

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



36.6436, 35.9422, 54.8783



62.0943, 59.8009, 98.6303



40.3256, 37.8404, 55.0506



9.6361, 9.8035, 12.6692



6.6692, 2.6985, 33.7260



0.3255, 0.1358, 1.4589

Previews

White Background



This preview shows how the XYZ color 45.7602, 50.8593, 39.7527 looks on a white background.

Color Contrast Check

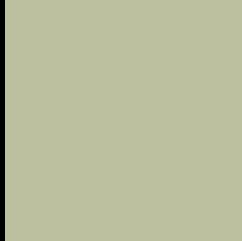
Large Text (above 18pt) WCAG AA × Fail

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 45.7602, 50.8593, 39.7527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

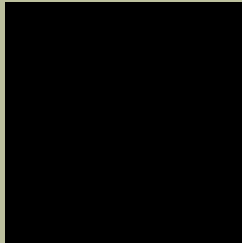
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

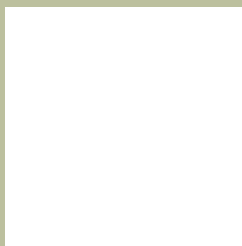
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7602, 50.8593, 39.7527

Background



This preview shows how black text looks on a background with the XYZ color 45.7602, 50.8593, 39.7527.



This preview shows how white text looks on a background with the XYZ color 45.7602, 50.8593,

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

45.7602, 50.8593, 39.7527

Protanopia

47.8034, 50.6461, 38.7087

Deuteranopia

51.6884, 50.7457, 40.3283



Tritanopia

50.3497, 50.8042, 62.4108

Trichromacy



Original Color

45.7602, 50.8593, 39.7527

Protanomaly

47.0483, 50.5653, 39.1786

Deuteranomaly

49.2705, 50.7428, 39.9984

Tritanomaly

48.4784, 50.6757, 53.1252

Monochromacy



Original Color

45.7602, 50.8593, 39.7527

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5276, 50.0946, 48.2912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7602, 50.8593, 39.7527 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(188, 192, 158)` looks like.

```
.text, #text, p{  
    color:rgb(188, 192, 158)  
}
```

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(188, 192, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 192, 158) }
```

Border

The CSS property to change the border of an element to XYZ 45.7602, 50.8593, 39.7527 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(188, 192, 158) }
```


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

```
.border{ border-color:rgb(188, 192, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 192, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 192, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 192, 158);  
box-shadow:4px 4px 4px 4px rgb(188, 192,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7602, 50.8593, 39.7527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 192, 158) }
```

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

```
.background{ background-color: rgb(188,  
192, 158) }
```

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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