

Converting Colors

XYZ(45.6314, 50.3451, 34.8685)

Have a look what the booklet for
XYZ(45.6314, 50.3451, 34.8685)
contains.

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Color

**XYZ(45.6722, 50.2710,
34.8998)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BE93
RGB	193, 190, 147
RGB Percent	76%, 75%, 58%
CMY	0.2431, 0.2549, 0.4235
CMYK	0.00, 0.02, 0.24, 0.24
HSL	56°, 27%, 67%
HSV	56°, 24%, 76%
XYZ	45.6722, 50.2710, 34.8998
YIQ	185.9950, 15.5910, -12.7370

Conversions

Conversions Part 2

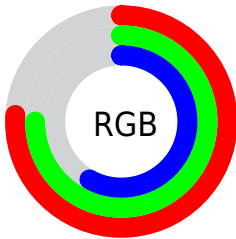
Format	Color
R_{YB}	150, 193, 147
Decimal	12697235
CIE _{Lab}	76.24, -5.94, 22.15
CIE _{LCh}	76, 22.935, 105.003
Yxy	50.2710, 0.3491, 0.3842
Android (android.graphics.Color)	4290887315 (0xFFC1BE93)
YUV	185.9950, -19.2245, 6.1434
Hunter-Lab	70.9020, -9.0962, 20.4474

Details

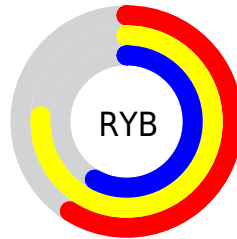
The XYZ color **45.6722, 50.2710, 34.8998** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.5643, 31.8650, 54.8864**, and the grayscale version is **46.7686, 49.2042, 53.5834**.

A 20% lighter version of the original color is **82.9227, 90.4526, 68.3469**, and **21.7044, 24.2248, 14.5982** is the 20% darker color. If you saturate the color by 10%, you get **44.0126, 49.1752, 27.4913**, and if you desaturate by 10%, it is **47.5909, 51.4776, 43.6495**.

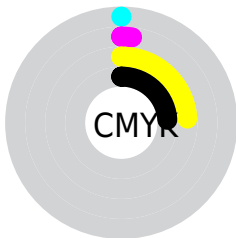
Distribution



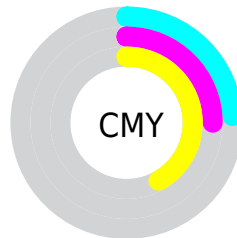
- Red (76%)
- Green (75%)
- Blue (58%)



- Red (59%)
- Yellow (76%)
- Blue (58%)



- Cyan (0%)
- Magenta (2%)
- Yellow (24%)
- Black (24%)



- Cyan (24%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6722, 50.2710, 34.8998 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 45.6722, 50.2710, 34.8998 by changing the saturation by 10% instead.

■ 45.6722, 50.2710,
34.8998

■ 45.6722, 50.2710,
34.8998

360.2273,
387.7248, 339.0166

■ 32.1908, 35.6288,
23.3028

■ 82.9591, 90.5763,
68.4803

■ 21.6635, 24.1476,
14.6098

■ 107.4952,
117.0081, 91.3009

■ 13.7251, 15.4432,
8.4024

136.4470,
148.1386, 118.6997

■ 8.0101, 9.1310,
4.2621

170.1797,
184.3522, 151.0953

■ 4.1533, 4.8267,
1.7702

209.0587,
226.0331, 188.9063

■ 1.7892, 2.1460,
0.4082

253.4494,

■ 0.5112, 0.6903,

273.5660, 232.5512

0.0000

303.7172,
327.3351, 282.4484

■ 0.0000, 0.0000,
0.0000

■ 45.6722, 50.2710,
34.8998

■ 45.6722, 50.2710,
34.8998

■ 44.0126, 49.1752,
27.4913

■ 47.5909, 51.4776,
43.6495

■ 42.5954, 48.1785,
21.3540

■ 49.7766, 52.7931,
53.7992

■ 41.4083, 47.2775,
16.4166

■ 52.2417, 54.2240,
65.4082

■ 40.4361, 46.4662,
12.5992

■ 54.9965, 55.7746,
78.5314

■ 39.6618, 45.7377,
9.8125

■ 58.0509, 57.4489,
93.2209

■ 39.0658, 45.0843,
7.9535

■ 60.1326, 58.7379,
102.7760

■ 38.6245, 44.4965,
6.8976

■ 60.4201, 59.3130,
102.8718

■ 38.4013, 44.1555,
6.4989

■ 60.7101, 59.8930,
102.9685

■ 61.0024, 60.4777,
103.0659

Harmonies

Analogous

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



49.9530, 50.2710, 34.8993



45.6722, 50.2710, 34.8998



42.1688, 50.2710, 39.6408

Triad

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



45.6722, 50.2710, 34.8998



42.1693, 50.2710, 73.2498



56.2221, 50.2710, 61.0965

Complementary

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



45.6722, 50.2710, 34.8998



32.5643, 31.8650, 54.8864

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.



53.8705, 50.2710, 73.2476



45.6722, 50.2710, 34.8998



45.6730, 50.2710, 80.9476

Square

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



45.6722, 50.2710, 34.8998



40.2304, 50.2710, 61.0991



49.9539, 50.2710, 80.9468



56.2219, 50.2710, 48.8318

Rectangle

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



45.6722, 50.2710, 34.8998



40.6714, 50.2710, 45.3264



49.9539, 50.2710, 80.9468



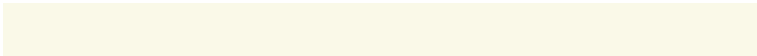
55.6745, 50.2710, 65.3665

Sweetspot

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



45.6735, 50.2732, 34.9009



87.8138, 93.7586, 90.1163



37.9368, 34.4096, 33.5252



18.7872, 20.0834, 19.0921



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.



45.6735, 50.2732, 34.9009



80.0745, 88.9116, 54.7608



41.5851, 49.1385, 34.8973



10.8555, 11.6424, 10.7369



25.5642, 29.4142, 4.3301



1.1218, 1.3053, 0.1928

Inverse Universe

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



32.5643, 31.8650, 54.8864



52.2272, 49.8098, 97.2219



35.9821, 32.9265, 54.9111



9.5798, 9.8509, 12.6813



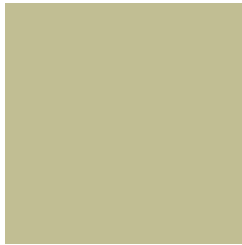
6.5158, 2.7880, 33.7513



0.3000, 0.1575, 1.4645

Previews

White Background



This preview shows how the XYZ color 45.6722, 50.2710, 34.8998 looks on a white background.

Color Contrast Check

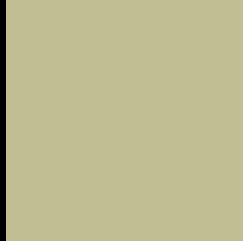
Large Text (above 18pt) WCAG AA × Fail

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 45.6722, 50.2710, 34.8998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

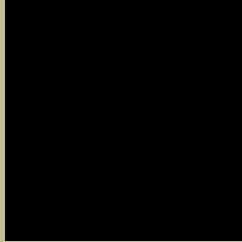
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6722, 50.2710, 34.8998

Background



This preview shows how black text looks on a background with the XYZ color 45.6722, 50.2710, 34.8998.



This preview shows how white text looks on a background with the XYZ color 45.6722, 50.2710,

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

45.6722, 50.2710, 34.8998

Protanopia

46.9909, 50.3211, 34.4304

Deuteranopia

50.9595, 49.8725, 35.3743



Tritanopia

50.6797, 50.0863, 60.4226

Trichromacy



Original Color

45.6722, 50.2710, 34.8998

Protanomaly

46.4119, 50.3408, 34.4647

Deuteranomaly

49.0641, 50.1207, 35.1053

Tritanomaly

48.7215, 50.2428, 49.7778

Monochromacy



Original Color

45.6722, 50.2710, 34.8998

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.2030, 49.3380, 46.1178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6722, 50.2710, 34.8998 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(193, 190, 147)` looks like.

```
.text, #text, p{  
    color:rgb(193, 190, 147)  
}
```

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(193, 190, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 190, 147) }
```

Border

The CSS property to change the border of an element to XYZ 45.6722, 50.2710, 34.8998 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(193, 190, 147) }
```


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

```
.border{ border-color:rgb(193, 190, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 190, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 190, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 190, 147);  
box-shadow:4px 4px 4px 4px rgb(193, 190,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6722, 50.2710, 34.8998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 190, 147) }
```

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

```
.background{ background-color: rgb(193,  
190, 147) }
```

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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