

Converting Colors

XYZ(44.7462, 50.4921, 35.0050)

Have a look what the booklet for
XYZ(44.7462, 50.4921, 35.0050)
contains.

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Color

**XYZ(44.6096, 50.3707,
34.9751)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BBC093 |
| RGB | 187, 192, 147 |
| RGB Percent | 73%, 75%, 58% |
| CMY | 0.2667, 0.2470, 0.4235 |
| CMYK | 0.03, 0.00, 0.23, 0.25 |
| HSL | 67°, 26%, 66% |
| HSV | 67°, 23%, 75% |
| XYZ | 44.6096, 50.3707, 34.9751 |
| YIQ | 185.3750, 11.4650, -15.0550 |

Conversions

Conversions Part 2

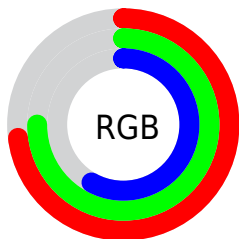
| Format | Color |
|-------------------------------------|--|
| RYB | 147, 192, 152 |
| Decimal | 12304531 |
| CIELab | 76.30, -9.26, 22.16 |
| CIELCh | 76, 24.017, 112.681 |
| Yxy | 50.3707, 0.3433, 0.3876 |
| Android (android.graphics.Color) | 4290494611 (0xFFBBC093) |
| YUV | 185.3750, -18.9189, 1.4251 |
| Hunter-Lab | 70.9723, -12.0055, 20.4626 |

Details

The XYZ color **44.6096, 50.3707, 34.9751** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.8991, 31.3500, 54.1893**, and the grayscale version is **46.4217, 48.8393, 53.1860**.

A 20% lighter version of the original color is **81.0722, 90.4065, 68.4356**, and **21.0168, 24.2963, 14.6483** is the 20% darker color. If you saturate the color by 10%, you get **42.7090, 49.5523, 27.6671**, and if you desaturate by 10%, it is **46.7721, 51.2982, 43.6101**.

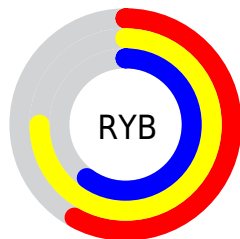
Distribution



Red (73%)

Green (75%)

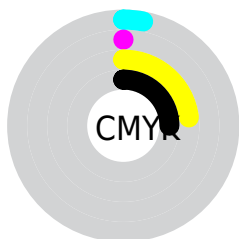
Blue (58%)



Red (58%)

Yellow (75%)

Blue (60%)

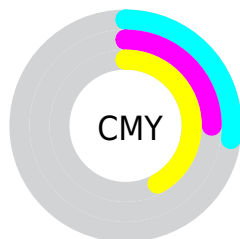


Cyan (3%)

Magenta (0%)

Yellow (23%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6096, 50.3707, 34.9751 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 44.6096, 50.3707, 34.9751 by changing the saturation by 10% instead.

■ 44.6096, 50.3707,
34.9751

■ 44.6096, 50.3707,
34.9751

356.0005,
388.1138, 339.3593

■ 31.3500, 35.7080,
23.3603

■ 81.3749, 90.7239,
68.5983

■ 21.0186, 24.2088,
14.6520

■ 105.6114,
117.1832, 91.4438

■ 13.2502, 15.4886,
8.4316

134.2375,
148.3435, 118.8700

■ 7.6792, 9.1630,
4.2806

167.6186,
184.5892, 151.2953

■ 3.9405, 4.8476,
1.7805

206.1202,
226.3047, 189.1384

■ 1.6685, 2.1582,
0.4151

250.1074,

■ 0.4364, 0.6970,

273.8744, 232.8177

0.0000

299.9457,
327.6826, 282.7518

■ 0.0000, 0.0000,
0.0000

■ 44.6096, 50.3707,
34.9751

■ 44.6096, 50.3707,
34.9751

■ 42.7090, 49.5523,
27.6671

■ 46.7721, 51.2982,
43.6101

■ 41.0538, 48.8312,
21.6172

■ 49.2043, 52.3328,
53.6301

■ 39.6319, 48.2043,
16.7551


■ 51.9183, 53.4810,
65.0933


■ 38.4282, 47.6656,
13.0025


■ 54.9245, 54.7470,
78.0539

■ 37.4261, 47.2084,
10.2714


■ 58.2326, 56.1346,
92.5632


 36.6063, 46.8250,
8.4610


 60.6699, 57.1749,
102.4460

 35.9458, 46.5062,
7.4494

 61.2435, 57.4706,
102.4728

 35.5697, 46.3204,
7.0660

 61.8252, 57.7705,
102.5000

 62.4148, 58.0745,
102.5276

Harmonies

Analogous

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



48.9891, 50.3707, 33.7176



44.6096, 50.3707, 34.9751



41.3059, 50.3707, 41.1255

Triad

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



44.6096, 50.3707, 34.9751



42.8090, 50.3707, 77.0593



57.0014, 50.3707, 58.0701

Complementary

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



44.6096, 50.3707, 34.9751



32.8991, 31.3500, 54.1893

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.



55.1080, 50.3707, 71.3199



44.6096, 50.3707, 34.9751



46.7796, 50.3707, 83.3470

Square

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



44.6096, 50.3707, 34.9751



40.3128, 50.3707, 64.9886



51.2977, 50.3707, 81.0966



56.3302, 50.3707, 45.8161

Rectangle

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



44.6096, 50.3707, 34.9751



40.0659, 50.3707, 47.7796



51.2977, 50.3707, 81.0966



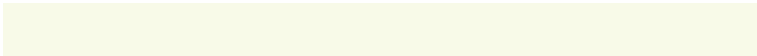
56.6399, 50.3707, 62.5750

Sweetspot

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



44.6109, 50.3729, 34.9762



87.4732, 94.1066, 90.2014



38.1537, 35.6089, 32.4668



18.7080, 20.1644, 19.1119



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.



44.6109, 50.3729, 34.9762



79.0441, 90.4997, 56.4437



39.6350, 47.8078, 34.7433



10.7996, 11.6996, 10.7509



23.9742, 31.1880, 4.7563



1.0679, 1.3641, 0.2070

Inverse Universe

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



32.8991, 31.3500, 54.1893



54.2139, 50.1638, 97.1855



37.4053, 33.6731, 54.4002



9.6300, 9.8004, 12.6689



6.6491, 2.6882, 33.7250



0.3228, 0.1344, 1.4588

Previews

White Background



This preview shows how the XYZ color 44.6096, 50.3707, 34.9751 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 44.6096, 50.3707, 34.9751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

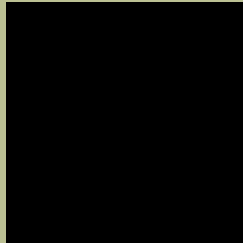
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6096, 50.3707, 34.9751

Background



This preview shows how black text looks on a background with the XYZ color 44.6096, 50.3707, 34.9751.



This preview shows how white text looks on a background with the XYZ color 44.6096, 50.3707,

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

44.6096, 50.3707, 34.9751

Protanopia

47.1814, 50.4283, 34.0350

Deuteranopia

51.1621, 50.2777, 35.4418



Tritanopia

50.0224, 50.3374, 61.7232

Trichromacy



Original Color

44.6096, 50.3707, 34.9751

Protanomaly

46.1509, 50.2063, 34.4525

Deuteranomaly

48.4264, 50.1014, 35.1352

Tritanomaly

47.8096, 50.3790, 50.9203

Monochromacy



Original Color

44.6096, 50.3707, 34.9751

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5836, 49.3458, 45.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6096, 50.3707, 34.9751 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(187, 192, 147)` looks like.

```
.text, #text, p{  
    color:rgb(187, 192, 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(187, 192, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 192, 147) }
```

Border

The CSS property to change the border of an element to XYZ 44.6096, 50.3707, 34.9751 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(187, 192, 147) }
```


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

```
.border{ border-color:rgb(187, 192, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 192, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 192, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 192, 147);  
box-shadow:4px 4px 4px 4px rgb(187, 192,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6096, 50.3707, 34.9751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 192, 147) }
```

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

```
.background{ background-color: rgb(187,  
192, 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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