

Converting Colors

XYZ(44.7158, 49.6612, 34.3859)

Have a look what the booklet for
XYZ(44.7158, 49.6612, 34.3859)
contains.

XYZ(44.8370, 49.8494, 34.4529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.8370, 49.8494,
34.4529)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBE92
RGB	190, 190, 146
RGB Percent	75%, 75%, 57%
CMY	0.2549, 0.2549, 0.4274
CMYK	0.00, 0.00, 0.23, 0.25
HSL	60°, 25%, 66%
HSV	60°, 23%, 75%
XYZ	44.8370, 49.8494, 34.4529
YIQ	184.9840, 14.1240, -13.6840

Conversions

Conversions Part 2

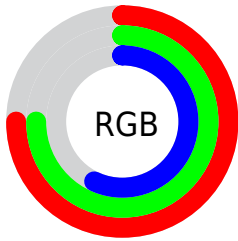
Format	Color
R _Y B	146, 190, 146
Decimal	12500626
CIE Lab	75.98, -7.22, 22.29
CIE LCh	76, 23.436, 107.955
Yxy	49.8494, 0.3472, 0.3860
Android (android.graphics.Color)	4290690706 (0xFFBEBE92)
YUV	184.9840, -19.2191, 4.3990
Hunter-Lab	70.6041, -10.2011, 20.4910

Details

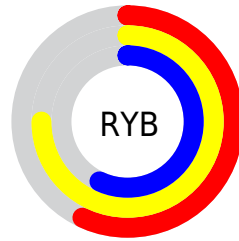
The XYZ color **44.8370, 49.8494, 34.4529** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.4291, 30.3878, 52.9269**, and the grayscale version is **46.2043, 48.6105, 52.9369**.

A 20% lighter version of the original color is **81.7389, 89.8558, 67.6794**, and **21.1646, 23.9518, 14.3341** is the 20% darker color. If you saturate the color by 10%, you get **43.4802, 49.3083, 27.3049**, and if you desaturate by 10%, it is **46.4421, 50.4932, 42.8968**.

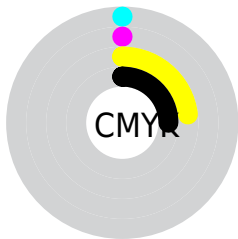
Distribution



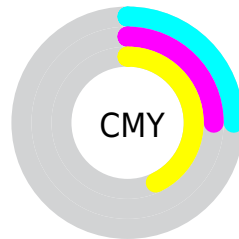
- Red (75%)
- Green (75%)
- Blue (57%)



- Red (57%)
- Yellow (75%)
- Blue (57%)



- Cyan (0%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)





- Cyan (25%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8370, 49.8494, 34.4529 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 44.8370, 49.8494, 34.4529 by changing the saturation by 10% instead.


 44.8370, 49.8494,
34.4529


 44.8370, 49.8494,
34.4529


356.9078,
386.0767, 336.9774

 31.5298, 35.2938,
22.9616


 81.7143, 89.9517,
67.7793

 21.1564, 23.8892,
14.3601


 106.0152,
116.2671, 90.4514

 13.3515, 15.2515,
8.2299


134.7112,
147.2713, 117.6875

 7.7497, 8.9961,
4.1526

168.1679,
183.3486, 149.9062

 3.9857, 4.7386,
1.7094

206.7506,
224.8834, 187.5260

 1.6940, 2.0947,
0.3672

250.8245,

 0.4525, 0.6617,

272.2600, 230.9655

0.0000

300.7552,
325.8630, 280.6431

■ 0.0000, 0.0000,
0.0000

■ 44.8370, 49.8494,
34.4529

■ 44.8370, 49.8494,
34.4529

■ 43.4802, 49.3083,
27.3049

■ 46.4421, 50.4932,
42.8968

■ 42.3557, 48.8585,
21.3858

■ 48.3028, 51.2375,
52.6929

■ 41.4516, 48.4968,
16.6273

■ 50.4311, 52.0889,
63.8981

■ 40.7534, 48.2175,
12.9533

■ 52.8371, 53.0514,
76.5650

■ 40.2450, 48.0140,
10.2784

■ 55.5300, 54.1286,
90.7435

■ 39.9077, 47.8791,
8.5046

■ 57.7027, 54.9977,
102.1821

■ 39.7192, 47.8036,
7.5143

■ 57.7032, 54.9980,
102.1821

■ 39.6462, 47.7744,
7.1318

■ 57.7036, 54.9982,
102.1821

■ 57.7041, 54.9984,
102.1822

Harmonies

Analogous

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



49.1555, 49.8494, 33.9807



44.8370, 49.8494, 34.4529



41.4104, 49.8494, 39.7039

Triad

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



44.8370, 49.8494, 34.4529



41.9730, 49.8494, 74.1811



56.0821, 49.8494, 59.4556

Complementary

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



44.8370, 49.8494, 34.4529



31.4291, 30.3878, 52.9269

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.



53.8982, 49.8494, 72.0412



44.8370, 49.8494, 34.4529



45.6485, 49.8494, 81.3772

Square

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



44.8370, 49.8494, 34.4529



39.8282, 49.8494, 62.0390



50.0181, 49.8494, 80.5388



55.8316, 49.8494, 47.1920

Rectangle

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



44.8370, 49.8494, 34.4529



40.0111, 49.8494, 45.7373



50.0181, 49.8494, 80.5388



55.6031, 49.8494, 63.8198

Sweetspot

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



44.8383, 49.8516, 34.4540



86.1365, 92.2885, 88.1626



36.7040, 33.5815, 31.7422



18.8692, 20.2475, 19.1194



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.



44.8383, 49.8516, 34.4540



79.8919, 89.7904, 55.2885



39.7521, 47.2296, 34.2159



10.3222, 11.1205, 10.1791



26.3610, 31.7655, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



31.4291, 30.3878, 52.9269



51.1641, 48.0911, 94.8650



35.7231, 32.6014, 53.1279



9.0166, 9.2254, 11.9777



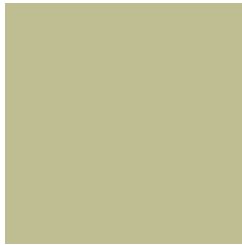
6.1804, 2.4722, 32.5443



0.2421, 0.0969, 1.2748

Previews

White Background



This preview shows how the XYZ color 44.8370, 49.8494, 34.4529 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 44.8370, 49.8494, 34.4529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

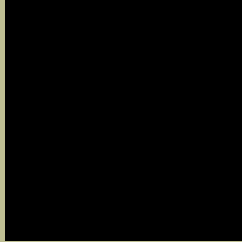
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8370, 49.8494, 34.4529

Background



This preview shows how black text looks on a background with the XYZ color 44.8370, 49.8494, 34.4529.



This preview shows how white text looks on a background with the XYZ color 44.8370, 49.8494,

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

44.8370, 49.8494, 34.4529

Protanopia

46.7006, 49.8643, 33.9515

Deuteranopia

50.8800, 49.8407, 34.9555



Tritanopia

50.1525, 49.8145, 60.3979

Trichromacy



Original Color

44.8370, 49.8494, 34.4529

Protanomaly

45.8590, 49.7465, 33.9731

Deuteranomaly

48.4194, 49.7975, 34.6637

Tritanomaly

47.9437, 49.8418, 49.7414

Monochromacy



Original Color

44.8370, 49.8494, 34.4529

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6145, 49.0457, 45.5907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8370, 49.8494, 34.4529 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(190, 190, 146)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 146)  
}
```

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(190, 190, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 146) }
```

Border

The CSS property to change the border of an element to XYZ 44.8370, 49.8494, 34.4529 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(190, 190, 146) }
```


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

```
.border{ border-color:rgb(190, 190, 146) }
```

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

Here you see how a box with a 4 pixel rgb(190, 190, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 146);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8370, 49.8494, 34.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 146) }
```

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

```
.background{ background-color: rgb(190,  
190, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor