

Converting Colors

XYZ(46.0818, 47.9800, 34.4361)

Have a look what the booklet for
XYZ(46.0818, 47.9800, 34.4361)
contains.

XYZ(46.0818, 47.9800, 34.4361)	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(46.0818, 47.9800,
34.4361)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B693
RGB	201, 182, 147
RGB Percent	79%, 71%, 58%
CMY	0.2118, 0.2863, 0.4235
CMYK	0.00, 0.09, 0.27, 0.21
HSL	39°, 33%, 68%
HSV	39°, 27%, 79%
XYZ	46.0818, 47.9800, 34.4361
YIQ	183.6910, 22.5590, -6.8570

Conversions

Conversions Part 2

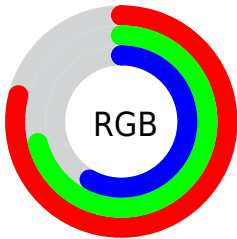
Format	Color
RYB	176, 201, 147
Decimal	13219475
CIELab	74.81, 1.36, 20.31
CIELCh	75, 20.355, 86.159
Yxy	47.9800, 0.3586, 0.3734
Android (android.graphics.Color)	4291409555 (0xFFC9B693)
YUV	183.6910, -18.0887, 15.1800
Hunter-Lab	69.2676, -2.4672, 19.0115

Details

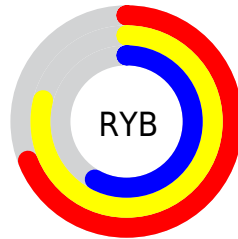
The XYZ color **46.0818, 47.9800, 34.4361** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.2112, 37.6915, 60.6251**, and the grayscale version is **45.4784, 47.8468, 52.1052**.

A 20% lighter version of the original color is **82.3572, 86.6261, 67.6382**, and **21.8156, 22.6560, 14.2896** is the 20% darker color. If you saturate the color by 10%, you get **43.2290, 44.5818, 26.3718**, and if you desaturate by 10%, it is **49.2858, 51.6391, 43.9782**.

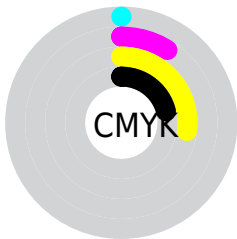
Distribution



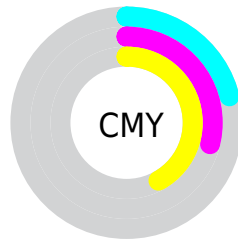
- Red (79%)
- Green (71%)
- Blue (58%)



- Red (69%)
- Yellow (79%)
- Blue (58%)



- Cyan (0%)
- Magenta (9%)
- Yellow (27%)
- Black (21%)





- Cyan (21%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0818, 47.9800, 34.4361 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 46.0818, 47.9800, 34.4361 by changing the saturation by 10% instead.


 46.0818, 47.9800,
34.4361


 46.0818, 47.9800,
34.4361


361.8478,
378.7128, 336.9006

 32.5153, 33.8110,
22.9488

 83.5685, 87.1746,
67.7529

 21.9128, 22.7485,
14.3507


 108.2194,
112.9691, 90.4194

 13.9091, 14.4079,
8.2235


137.2958,
143.4075, 117.6494

 8.1388, 8.4049,
4.1485

171.1631,
178.8743, 149.8615

 4.2364, 4.3551,
1.7071

210.1866,
219.7538, 187.4741

 1.8367, 1.8741,
0.3656

254.7316,

 0.5397, 0.5328,

266.4305, 230.9057

0.0000

305.1636,
319.2887, 280.5751

■ 0.0000, 0.0000,
0.0000

■ 46.0818, 47.9800,
34.4361

■ 46.0818, 47.9800,
34.4361

■ 43.2290, 44.5818,
26.3718

■ 49.2858, 51.6391,
43.9782

■ 40.7084, 41.4300,
19.7065

■ 52.8517, 55.5599,
55.0656

■ 38.5044, 38.5184,
14.3584

■ 56.7941, 59.7517,
67.7649

■ 36.5986, 35.8378,
10.2362

■ 61.1258, 64.2211,
82.1384

■ 34.9703, 33.3782,
7.2364

■ 65.8588, 68.9745,
98.2445

■ 33.5955, 31.1281,
5.2386

■ 68.9085, 73.1796,
105.1009

■ 32.4427, 29.0728,
4.0827

■ 70.8533, 77.0692,
105.7492

■ 32.1093, 28.4612,
3.8012

■ 72.8782, 81.1190,
106.4242

■ 74.9840, 85.3305,
107.1261

Harmonies

Analogous

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



49.6812, 47.9800, 37.0808



46.0818, 47.9800, 34.4361



42.5385, 47.9800, 36.0053

Triad

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



46.0818, 47.9800, 34.4361



39.5114, 47.9800, 61.7490



51.7714, 47.9800, 64.4298

Complementary

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



46.0818, 47.9800, 34.4361



36.2112, 37.6915, 60.6251

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.



48.8124, 47.9800, 72.7467



46.0818, 47.9800, 34.4361



41.7553, 47.9800, 71.0579

Square

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



46.0818, 47.9800, 34.4361



38.8672, 47.9800, 50.8890



45.1286, 47.9800, 75.3217



53.0764, 47.9800, 53.6189

Rectangle

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



46.0818, 47.9800, 34.4361



40.6624, 47.9800, 39.3620



45.1286, 47.9800, 75.3217



50.9296, 47.9800, 67.6637

Sweetspot

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



46.0830, 47.9822, 34.4371



89.6909, 94.2616, 91.7617



41.4781, 36.0682, 41.2386



18.9920, 19.9522, 18.9945



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.



46.0830, 47.9822, 34.4371



76.0984, 78.8462, 50.9464



48.3502, 55.3230, 35.7345



11.1978, 11.7648, 11.2434



20.2778, 18.0727, 2.4196



1.0263, 0.9881, 0.1366

Inverse Universe

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



36.2112, 37.6915, 60.6251



56.5172, 58.4400, 102.9090



34.3414, 31.9748, 59.6202



10.3568, 10.8877, 13.4732



8.1122, 5.6184, 35.4013



0.4522, 0.4022, 1.6989

Previews

White Background



This preview shows how the XYZ color 46.0818, 47.9800, 34.4361 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 46.0818, 47.9800, 34.4361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

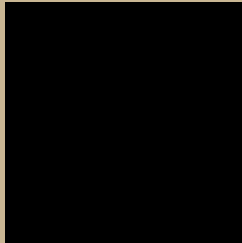
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0818, 47.9800, 34.4361

Background



This preview shows how black text looks on a background with the XYZ color 46.0818, 47.9800, 34.4361.



This preview shows how white text looks on a background with the XYZ color 46.0818, 47.9800,

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

46.0818, 47.9800, 34.4361

Protanopia

45.2507, 48.1549, 34.9268

Deuteranopia

48.7990, 47.8785, 34.6865



Tritanopia

50.2732, 47.8902, 55.3092

Trichromacy



Original Color

46.0818, 47.9800, 34.4361

Protanomaly

45.5675, 48.0109, 34.8823

Deuteranomaly

47.7599, 47.9336, 34.7519

Tritanomaly

48.4622, 47.7342, 46.7038

Monochromacy



Original Color

46.0818, 47.9800, 34.4361

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.5194, 47.7544, 45.3465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0818, 47.9800, 34.4361 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(201, 182, 147)` looks like.

```
.text, #text, p{  
    color:rgb(201, 182, 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(201, 182, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 182, 147) }
```

Border

The CSS property to change the border of an element to XYZ 46.0818, 47.9800, 34.4361 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(201, 182, 147) }
```


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

```
.border{ border-color:rgb(201, 182, 147) }
```

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

Here you see how a box with a 4 pixel rgb(201, 182, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 182, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 182, 147);  
box-shadow:4px 4px 4px 4px rgb(201, 182,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0818, 47.9800, 34.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 182, 147) }
```

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

```
.background{ background-color: rgb(201,  
182, 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](#).

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