

Converting Colors

XYZ(48.5702, 46.3295, 35.2437)

Have a look what the booklet for
XYZ(48.5702, 46.3295, 35.2437)
contains.

XYZ(48.5764, 46.3060, 35.2319)	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(48.5764, 46.3060,
35.2319)**

Conversions

Conversions Part 1

Format	Color
Hex	D8AC96
RGB	216, 172, 150
RGB Percent	85%, 67%, 59%
CMY	0.1529, 0.3255, 0.4118
CMYK	0.00, 0.20, 0.31, 0.15
HSL	20°, 46%, 72%
HSV	20°, 31%, 85%
XYZ	48.5764, 46.3060, 35.2319
YIQ	182.6480, 33.2860, 2.4860

Conversions

Conversions Part 2

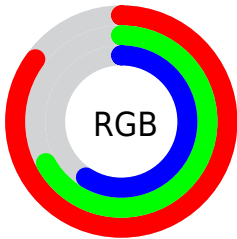
Format	Color
R _Y B	216, 183, 150
Decimal	14199958
CIE Lab	73.74, 12.93, 17.42
CIE LCh	74, 21.700, 53.415
Yxy	46.3060, 0.3733, 0.3559
Android (android.graphics.Color)	4292390038 (0xFFD8AC96)
YUV	182.6480, -16.0955, 29.2497
Hunter-Lab	68.0485, 8.3372, 16.9368

Details

The XYZ color **48.5764, 46.3060, 35.2319** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.2635, 50.0237, 72.2883**, and the grayscale version is **44.8905, 47.2283, 51.4317**.

A 20% lighter version of the original color is **79.6082, 80.5578, 68.4802**, and **23.4658, 21.8074, 14.7768** is the 20% darker color. If you saturate the color by 10%, you get **44.4016, 40.4879, 26.0356**, and if you desaturate by 10%, it is **53.3712, 52.8505, 46.2176**.

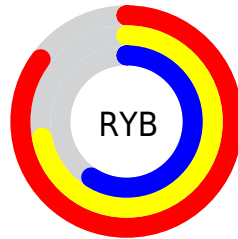
Distribution



Red (85%)

Green (67%)

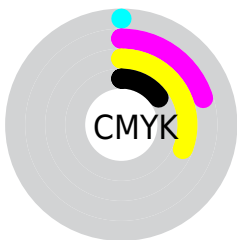
Blue (59%)



Red (85%)

Yellow (72%)

Blue (59%)

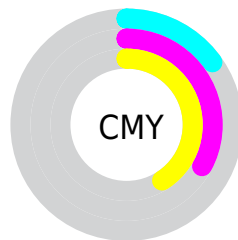


Cyan (0%)

Magenta (20%)

Yellow (31%)

Black (15%)



Cyan (15%)


Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5764, 46.3060, 35.2319 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 48.5764, 46.3060, 35.2319 by changing the saturation by 10% instead.


 48.5764, 46.3060,
35.2319


 48.5764, 46.3060,
35.2319


371.6170,
372.0375, 340.5260

 34.4967, 32.4874,
23.5566


 87.2665, 84.6768,
69.0005

 23.4401, 21.7340,
14.7959


 112.6076,
109.9977, 91.9309

 15.0413, 13.6616,
8.5312


142.4333,
139.9215, 119.4500

 8.9349, 7.8857,
4.3441

177.1088,
174.8326, 151.9764

 4.7555, 4.0219,
1.8159

216.9996,
215.1153, 189.9287

 2.1378, 1.6858,
0.4384

262.4710,

 0.7096, 0.4144,

261.1541, 233.7254

0.0000

313.8883,
313.3334, 283.7850

■ 0.0000, 0.0000,
0.0000

■ 48.5764, 46.3060,
35.2319

■ 48.5764, 46.3060,
35.2319

■ 44.4016, 40.4879,
26.0356

■ 53.3712, 52.8505,
46.2176

■ 40.8161, 35.3639,
18.5299

■ 58.8077, 60.1395,
59.0786

■ 37.7919, 30.9086,
12.6105

■ 64.9108, 68.1983,
73.8987

■ 35.2968, 27.0923,
8.1602

■ 71.7031, 77.0494,
90.7559

■ 33.2953, 23.8830,
5.0457

■ 78.7190, 86.5191,
107.1587

■ 31.7459, 21.2451,
3.1082

■ 82.1289, 93.3389,
108.2953

■ 30.6372, 19.2356,
2.0981

Harmonies

Analogous

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



51.1654, 46.3060, 42.4505



48.5764, 46.3060, 35.2319



44.8673, 46.3060, 32.1457

Triad

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



48.5764, 46.3060, 35.2319



37.0567, 46.3060, 48.0257



47.0221, 46.3060, 72.4983

Complementary

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



48.5764, 46.3060, 35.2319



44.2635, 50.0237, 72.2883

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.



43.1685, 46.3060, 74.5649



48.5764, 46.3060, 35.2319



37.5593, 46.3060, 59.3278

Square

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



48.5764, 46.3060, 35.2319



38.3287, 46.3060, 38.8034



39.7437, 46.3060, 69.4433



50.2321, 46.3060, 64.1490

Rectangle

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



48.5764, 46.3060, 35.2319



42.3163, 46.3060, 32.4719



39.7437, 46.3060, 69.4433



45.7534, 46.3060, 73.9967

Sweetspot

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



48.5776, 46.3082, 35.2328



86.8849, 89.2337, 89.0257



48.9631, 40.3072, 56.2386



18.3307, 18.7460, 18.4156



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.



48.5776, 46.3082, 35.2328



66.5152, 61.5670, 41.9345



55.6554, 60.4637, 37.5921



12.7582, 13.0905, 13.0150



18.2232, 11.5636, 1.2715



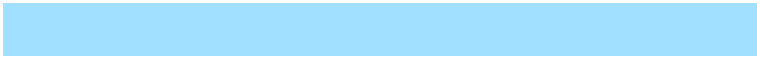
1.1742, 0.8476, 0.1017

Inverse Universe

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



44.2635, 50.0237, 72.2883



59.2106, 67.8269, 104.5789



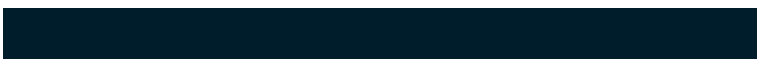
37.7177, 36.9322, 70.1064



12.4272, 13.3778, 15.8647



13.3411, 14.9439, 40.6345



0.8793, 1.0507, 2.4758

Previews

White Background



This preview shows how the XYZ color 48.5764, 46.3060, 35.2319 looks on a white background.

Color Contrast Check

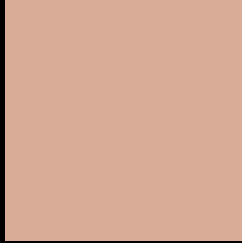
Large Text (above 18pt) WCAG AA × Fail

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 48.5764, 46.3060, 35.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

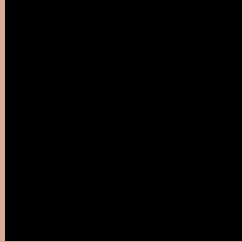
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5764, 46.3060, 35.2319

Background



This preview shows how black text looks on a background with the XYZ color 48.5764, 46.3060, 35.2319.



This preview shows how white text looks on a background with the XYZ color 48.5764, 46.3060,

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

48.5764, 46.3060, 35.2319

Protanopia

43.8425, 46.4572, 37.2282

Deuteranopia

47.2194, 46.1758, 35.2782



Tritanopia

51.5565, 46.4015, 49.9551

Trichromacy



Original Color

48.5764, 46.3060, 35.2319

Protanomaly

45.4896, 46.4201, 36.6994

Deuteranomaly

47.6000, 46.0862, 35.2409

Tritanomaly

50.3571, 46.1836, 44.2904

Monochromacy



Original Color

48.5764, 46.3060, 35.2319

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.9765, 46.7826, 45.1348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5764, 46.3060, 35.2319 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(216, 172, 150)` looks like.

```
.text, #text, p{  
    color:rgb(216, 172, 150)  
}
```

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(216, 172, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 172, 150) }
```

Border

The CSS property to change the border of an element to XYZ 48.5764, 46.3060, 35.2319 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(216, 172, 150) }
```


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

```
.border{ border-color:rgb(216, 172, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 172, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 172, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 172, 150);  
box-shadow:4px 4px 4px 4px rgb(216, 172,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5764, 46.3060, 35.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 172, 150) }
```

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

```
.background{ background-color: rgb(216,  
172, 150) }
```

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