

Converting Colors

XYZ(47.2521, 45.8824, 44.1561)

Have a look what the booklet for
XYZ(47.2521, 45.8824, 44.1561)
contains.

XYZ(47.2936, 46.0118, 44.4187)	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(47.2936, 46.0118,
44.4187)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAEEA
RGB	204, 174, 170
RGB Percent	80%, 68%, 67%
CMY	0.2000, 0.3176, 0.3333
CMYK	0.00, 0.15, 0.17, 0.20
HSL	7°, 25%, 73%
HSV	7°, 17%, 80%
XYZ	47.2936, 46.0118, 44.4187
YIQ	182.5140, 19.1640, 5.1160

Conversions

Conversions Part 2

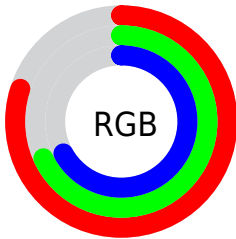
Format	Color
R _Y B	204, 175, 170
Decimal	13414058
CIE Lab	73.55, 10.20, 6.07
CIE LCh	74, 11.874, 30.751
Yxy	46.0118, 0.3434, 0.3341
Android (android.graphics.Color)	4291604138 (0xFFCCAEEA)
YUV	182.5140, -6.1694, 18.8432
Hunter-Lab	67.8320, 5.7472, 8.6573

Details

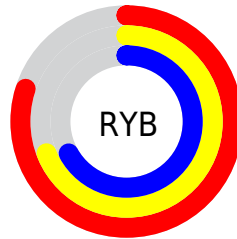
The XYZ color **47.2936, 46.0118, 44.4187** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.1305, 54.2129, 65.0545**, and the grayscale version is **44.7701, 47.1017, 51.2937**.

A 20% lighter version of the original color is **83.1274, 83.2899, 82.9294**, and **22.6240, 21.6166, 20.1196** is the 20% darker color. If you saturate the color by 10%, you get **42.2647, 38.8061, 33.9488**, and if you desaturate by 10%, it is **53.0905, 54.2732, 56.6231**.

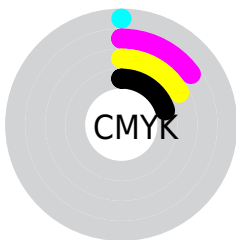
Distribution



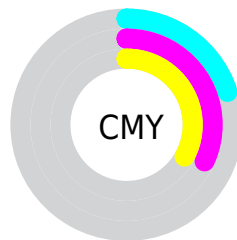
- Red (80%)
- Green (68%)
- Blue (67%)



- Red (80%)
- Yellow (69%)
- Blue (67%)



- Cyan (0%)
- Magenta (15%)
- Yellow (17%)
- Black (20%)





- Cyan (20%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2936, 46.0118, 44.4187 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 47.2936, 46.0118, 44.4187 by changing the saturation by 10% instead.


 47.2936, 46.0118,
44.4187

 47.2936, 46.0118,
44.4187


366.6146,
370.8561, 380.5054

 33.4767, 32.2551,
30.6602


 85.3678, 84.2367,
83.1566

 22.6529, 21.5564,
20.0839


110.3558,
109.4736, 108.9731

 14.4567, 13.5314,
12.2714


139.7983,
139.3062, 139.6460

 8.5228, 7.7954,
6.8040

174.0606,
174.1187, 175.5938

 4.4859, 3.9643,
3.2633

213.5080,
214.2955, 217.2351

 1.9805, 1.6536,
1.2306

258.5059,

 0.6230, 0.3934,

260.2211, 264.9885

0.0039

309.4196,
312.2798, 319.2724

■ 0.0000, 0.0000,
0.0000

■ 47.2936, 46.0118,
44.4187

■ 47.2936, 46.0118,
44.4187

■ 42.2647, 38.8061,
33.9488

■ 53.0905, 54.2732,
56.6231

■ 37.9677, 32.6076,
25.1318

■ 59.6817, 63.6241,
70.6326

■ 34.3696, 27.3732,
17.8840

■ 67.0972, 74.1041,
86.5177

■ 31.4329, 23.0543,
12.1131

■ 75.3641, 85.7494,
104.3439

■ 29.1171, 19.5981,
7.7172

■ 78.7120, 91.5775,
108.1354

■ 27.3766, 16.9462,
4.5814

■ 26.1600, 15.0332,
2.5720

■ 25.4041, 13.7821,
1.5166

■ 25.2291, 13.4917,
1.2744

Harmonies

Analogous

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



47.8936, 46.0118, 49.9477



47.2936, 46.0118, 44.4187



45.7345, 46.0118, 40.6762

Triad

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



47.2936, 46.0118, 44.4187



40.3053, 46.0118, 44.6613



43.7857, 46.0118, 62.5674

Complementary

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



47.2936, 46.0118, 44.4187



48.1305, 54.2129, 65.0545

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.



41.7905, 46.0118, 60.8751



47.2936, 46.0118, 44.4187



39.8203, 46.0118, 50.2507

Square

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



47.2936, 46.0118, 44.4187



41.7016, 46.0118, 40.8081



40.3554, 46.0118, 56.2441



45.8289, 46.0118, 60.7028

Rectangle

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



47.2936, 46.0118, 44.4187



44.3847, 46.0118, 39.5353



40.3554, 46.0118, 56.2441



43.0874, 46.0118, 62.3945

Sweetspot

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



47.2949, 46.0139, 44.4197



89.5806, 92.2378, 97.2837



49.7063, 45.7591, 60.8770



19.0153, 19.5172, 20.4866



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.



47.2949, 46.0139, 44.4197



75.1872, 71.7158, 67.0065



50.7815, 52.9872, 45.5819



11.3170, 11.4229, 11.6878



15.9153, 8.5635, 0.8141



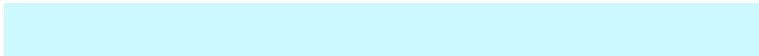
0.8575, 0.5146, 0.0541

Inverse Universe

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



48.1305, 54.2129, 65.0545



76.8257, 87.8050, 107.5067



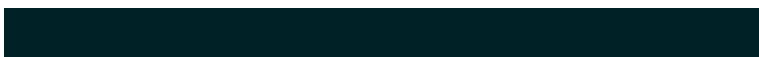
44.4175, 46.7870, 63.8169



11.4261, 12.4927, 14.3795



17.1745, 23.3729, 39.5625



0.9187, 1.2711, 2.0519

Previews

White Background



This preview shows how the XYZ color 47.2936, 46.0118, 44.4187 looks on a white background.

Color Contrast Check

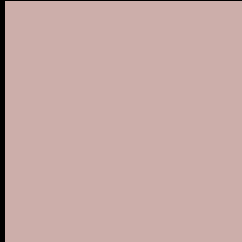
Large Text (above 18pt) WCAG AA × Fail

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 47.2936, 46.0118, 44.4187 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 47.2936, 46.0118, 44.4187

Background



This preview shows how black text looks on a background with the XYZ color 47.2936, 46.0118, 44.4187.



This preview shows how white text looks on a background with the XYZ color 47.2936, 46.0118,

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

47.2936, 46.0118, 44.4187

Protanopia

44.1138, 46.0987, 46.1081

Deuteranopia

46.9428, 46.1188, 44.4579



Tritanopia

48.9631, 46.1296, 52.2222

Trichromacy



Original Color

47.2936, 46.0118, 44.4187

Protanomaly

45.3591, 46.1568, 45.5482

Deuteranomaly

47.2143, 46.2587, 44.4706

Tritanomaly

48.3586, 46.1616, 49.5413

Monochromacy



Original Color

47.2936, 46.0118, 44.4187

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.8430, 46.9332, 48.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2936, 46.0118, 44.4187 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(204, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(204, 174, 170)  
}
```

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(204, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 174, 170) }
```

Border

The CSS property to change the border of an element to XYZ 47.2936, 46.0118, 44.4187 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(204, 174, 170) }
```


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

```
.border{ border-color:rgb(204, 174, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 174, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 174, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 174, 170);  
box-shadow:4px 4px 4px 4px rgb(204, 174,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2936, 46.0118, 44.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 174, 170) }
```

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

```
.background{ background-color: rgb(204,  
174, 170) }
```

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