

Converting Colors

XYZ(45.6119, 46.8985, 39.9218)

Have a look what the booklet for
XYZ(45.6119, 46.8985, 39.9218)
contains.

XYZ(45.6924, 47.0509, 39.9312)	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(45.6924, 47.0509,
39.9312)**

Conversions

Conversions Part 1

Format	Color
Hex	C5B4A0
RGB	197, 180, 160
RGB Percent	77%, 71%, 63%
CMY	0.2274, 0.2941, 0.3725
CMYK	0.00, 0.09, 0.19, 0.23
HSL	32°, 24%, 70%
HSV	32°, 19%, 77%
XYZ	45.6924, 47.0509, 39.9312
YIQ	182.8030, 16.5520, -2.6160

Conversions

Conversions Part 2

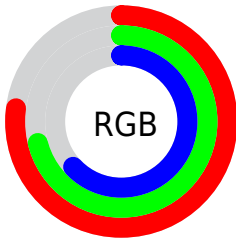
Format	Color
RYB	191, 197, 160
Decimal	12956832
CIELab	74.22, 2.80, 12.40
CIElCh	74, 12.710, 77.286
Yxy	47.0509, 0.3444, 0.3546
Android (android.graphics.Color)	4291146912 (0xFFC5B4A0)
YUV	182.8030, -11.2419, 12.4508
Hunter-Lab	68.5937, -1.1344, 13.5004

Details

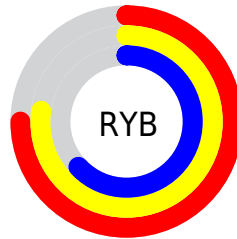
The XYZ color **45.6924, 47.0509, 39.9312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.2972, 42.9482, 58.9896**, and the grayscale version is **44.9561, 47.2974, 51.5068**.

A 20% lighter version of the original color is **83.1342, 85.9680, 76.5018**, and **21.6774, 22.1225, 17.5955** is the 20% darker color. If you saturate the color by 10%, you get **42.3365, 42.8818, 30.9733**, and if you desaturate by 10%, it is **49.4432, 51.5721, 50.3692**.

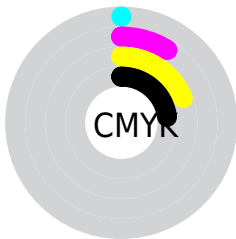
Distribution



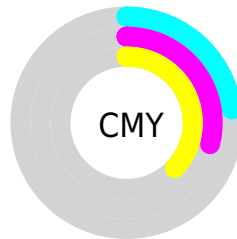
- Red (77%)
- Green (71%)
- Blue (63%)



- Red (75%)
- Yellow (77%)
- Blue (63%)



- Cyan (0%)
- Magenta (9%)
- Yellow (19%)
- Black (23%)





- Cyan (23%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6924, 47.0509, 39.9312 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 45.6924, 47.0509, 39.9312 by changing the saturation by 10% instead.


 45.6924, 47.0509,
39.9312


 45.6924, 47.0509,
39.9312


360.3073,
375.0177, 361.3770

 32.2068, 33.0759,
27.1715


 82.9891, 85.7896,
76.2947

 21.6758, 22.1846,
17.4685


 107.5310,
111.3221, 100.7356

 13.7341, 13.9926,
10.4036


136.4889,
141.4758, 129.9073

 8.0164, 8.1155,
5.5583

170.2282,
176.6353, 164.2283

 4.1574, 4.1690,
2.5140

209.1144,
217.1848, 204.1173

 1.7915, 1.7685,
0.8476

253.5127,

 0.5126, 0.4674,

263.5088, 249.9927

0.0000

303.7886,
315.9916, 302.2731

■ 0.0000, 0.0000,
0.0000

■ 45.6924, 47.0509,
39.9312

■ 45.6924, 47.0509,
39.9312

■ 42.3365, 42.8818,
30.9733

■ 49.4432, 51.5721,
50.3692

■ 39.3567, 39.0488,
23.4241

■ 53.5994, 56.4481,
62.3482

■ 36.7381, 35.5437,
17.2109

■ 58.1756, 61.6900,
75.9292

■ 34.4630, 32.3558,
12.2531

■ 63.1845, 67.3061,
91.1690

■ 32.5123, 29.4733,
8.4613

■ 68.0694, 73.0769,
105.1254

■ 30.8642, 26.8835,
5.7342

■ 70.5847, 78.1075,
105.9638

■ 29.4936, 24.5721,
3.9526

■ 73.2316, 83.4014,
106.8461

■ 28.3608, 22.5188,
2.9207

■ 76.0121, 88.9624,
107.7729

■ 28.2326, 22.2834,
2.8131

■ 76.8361, 90.6104,
108.0476

Harmonies

Analogous

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



47.7612, 47.0509, 42.5466



45.6924, 47.0509, 39.9312



43.4302, 47.0509, 40.1512

Triad

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



45.6924, 47.0509, 39.9312



40.6631, 47.0509, 55.0532



48.0201, 47.0509, 60.2294

Complementary

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



45.6924, 47.0509, 39.9312



40.2972, 42.9482, 58.9896

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.



46.0361, 47.0509, 64.1805



45.6924, 47.0509, 39.9312



41.8116, 47.0509, 61.0221

Square

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



45.6924, 47.0509, 39.9312



40.5782, 47.0509, 48.5162



43.7624, 47.0509, 64.4823



49.1355, 47.0509, 54.0440

Rectangle

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



45.6924, 47.0509, 39.9312



42.1165, 47.0509, 41.8749



43.7624, 47.0509, 64.4823



47.4297, 47.0509, 61.8849

Sweetspot

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



45.6937, 47.0530, 39.9322



90.4824, 94.6510, 95.7051



43.5597, 40.1975, 47.1981



19.2641, 20.1377, 20.1909



0.0000, 0.0000, 0.0000



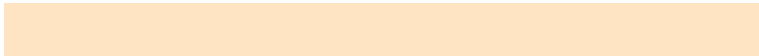
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6937, 47.0530, 39.9322



79.0033, 80.7807, 63.8620



49.0162, 54.1755, 41.1319



11.1009, 11.5710, 11.2111



18.6541, 14.8255, 1.8784



0.9551, 0.8457, 0.1129

Inverse Universe

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



40.2972, 42.9482, 58.9896



67.3716, 71.9338, 104.9415



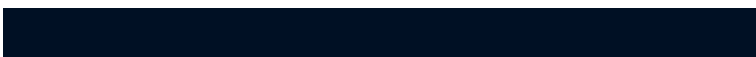
37.3945, 36.7748, 57.9511



10.4514, 11.0769, 13.5047



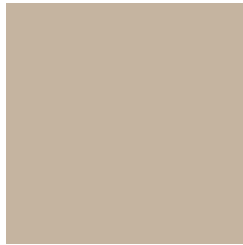
9.1426, 7.6792, 35.7447



0.5051, 0.5081, 1.7166

Previews

White Background



This preview shows how the XYZ color 45.6924, 47.0509, 39.9312 looks on a white background.

Color Contrast Check

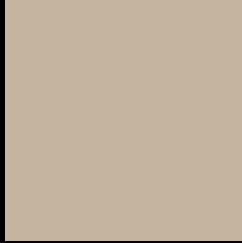
Large Text (above 18pt) WCAG AA × Fail

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 45.6924, 47.0509, 39.9312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

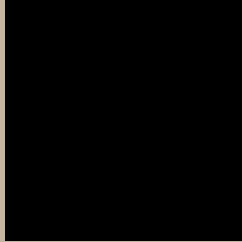
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6924, 47.0509, 39.9312

Background



This preview shows how black text looks on a background with the XYZ color 45.6924, 47.0509, 39.9312.



This preview shows how white text looks on a background with the XYZ color 45.6924, 47.0509,

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

45.6924, 47.0509, 39.9312

Protanopia

44.6468, 47.1055, 40.4573

Deuteranopia

47.9708, 47.0338, 40.2683



Tritanopia

48.7980, 47.1423, 54.6716

Trichromacy



Original Color

45.6924, 47.0509, 39.9312

Protanomaly

44.9492, 46.9584, 40.4130

Deuteranomaly

47.0570, 46.8549, 40.2819

Tritanomaly

47.5774, 46.9380, 48.6718

Monochromacy



Original Color

45.6924, 47.0509, 39.9312

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2048, 47.2424, 47.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6924, 47.0509, 39.9312 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(197, 180, 160)` looks like.

```
.text, #text, p{  
    color:rgb(197, 180, 160)  
}
```

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(197, 180, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 180, 160) }
```

Border

The CSS property to change the border of an element to XYZ 45.6924, 47.0509, 39.9312 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(197, 180, 160) }
```


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

```
.border{ border-color:rgb(197, 180, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 180, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 180, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 180, 160);  
box-shadow:4px 4px 4px 4px rgb(197, 180,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6924, 47.0509, 39.9312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 180, 160) }
```

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

```
.background{ background-color: rgb(197,  
180, 160) }
```

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