

Converting Colors

XYZ(51.4778, 47.7326, 32.9748)

Have a look what the booklet for
XYZ(51.4778, 47.7326, 32.9748)
contains.

XYZ(51.4651, 47.8496, 32.9089)	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(51.4651, 47.8496,
32.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	E3AC90
RGB	227, 172, 144
RGB Percent	89%, 67%, 56%
CMY	0.1098, 0.3255, 0.4353
CMYK	0.00, 0.24, 0.37, 0.11
HSL	20°, 60%, 73%
HSV	20°, 37%, 89%
XYZ	51.4651, 47.8496, 32.9089
YIQ	185.2530, 41.7680, 2.9520

Conversions

Conversions Part 2

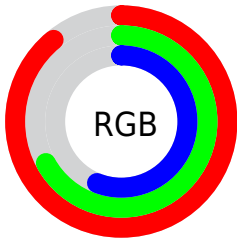
Format	Color
R _Y B	227, 186, 144
Decimal	14920848
CIE Lab	74.73, 16.45, 22.21
CIE LCh	75, 27.643, 53.469
Yxy	47.8496, 0.3892, 0.3619
Android (android.graphics.Color)	4293110928 (0xFFE3AC90)
YUV	185.2530, -20.3377, 36.6121
Hunter-Lab	69.1734, 11.7508, 20.2145

Details

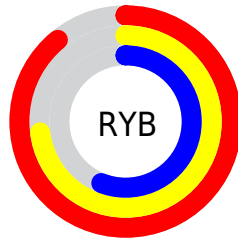
The XYZ color **51.4651, 47.8496, 32.9089** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **45.7893, 52.3201, 80.3584**, and the grayscale version is **46.3494, 48.7632, 53.1031**.

A 20% lighter version of the original color is **78.9021, 80.2754, 64.7622**, and **25.2698, 22.7693, 13.4190** is the 20% darker color. If you saturate the color by 10%, you get **47.1993, 41.8209, 23.7708**, and if you desaturate by 10%, it is **56.4062, 54.6704, 43.9941**.

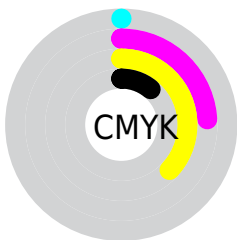
Distribution



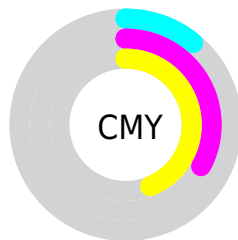
- Red (89%)
- Green (67%)
- Blue (56%)



- Red (89%)
- Yellow (73%)
- Blue (56%)



- Cyan (0%)
- Magenta (24%)
- Yellow (37%)
- Black (11%)




- Cyan (11%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4651, 47.8496, 32.9089 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 51.4651, 47.8496, 32.9089 by changing the saturation by 10% instead.


 51.4651, 47.8496,
32.9089

 51.4651, 47.8496,
32.9089


382.7261,
378.1957, 329.8584

 36.8014, 33.7078,
21.7861


 91.5208, 86.9804,
65.3476

 25.2268, 22.6692,
13.5030

 117.6436,
112.7383, 87.5007

 16.3757, 14.3494,
7.6410

148.3167,
143.1369, 114.1676

 9.8829, 8.3641,
3.7817

183.9056,
178.5607, 145.7668

 5.3831, 4.3288,
1.5063

224.7757,
219.3941, 182.7170

 2.5108, 1.8591,
0.2226

271.2922,

 0.9007, 0.5236,

266.0214, 225.4366

0.0000

323.8205,
318.8272, 274.3443

■ 0.0000, 0.0000,
0.0000

■ 51.4651, 47.8496,
32.9089

■ 51.4651, 47.8496,
32.9089

■ 47.1993, 41.8209,
23.7708

■ 56.4062, 54.6704,
43.9941

■ 43.5734, 36.5477,
16.4625

■ 62.0485, 62.3046,
57.1285

■ 40.5540, 32.0000,
10.8587

■ 68.4209, 70.7813,
72.4104

■ 38.1026, 28.1435,
6.8165

■ 75.5494, 80.1260,
89.9308

■ 36.1758, 24.9401,
4.1694

■ 83.0535, 90.2008,
107.6408

■ 34.7206, 22.3467,
2.7074

■ 85.4885, 95.0709,
108.4525

■ 34.3040, 21.5818,
2.3577

Harmonies

Analogous

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



54.9117, 47.8496, 41.8564



51.4651, 47.8496, 32.9089



46.5853, 47.8496, 29.1954

Triad

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



51.4651, 47.8496, 32.9089



36.5554, 47.8496, 49.0215



49.4295, 47.8496, 81.7630

Complementary

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



51.4651, 47.8496, 32.9089



45.7893, 52.3201, 80.3584

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.



44.3915, 47.8496, 84.6397



51.4651, 47.8496, 32.9089



37.1946, 47.8496, 63.8920

Square

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



51.4651, 47.8496, 32.9089



38.1622, 47.8496, 37.3282



39.9772, 47.8496, 77.5938



53.6773, 47.8496, 70.3306

Rectangle

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



51.4651, 47.8496, 32.9089



43.2701, 47.8496, 29.5917



39.9772, 47.8496, 77.5938



47.7631, 47.8496, 83.8400

Sweetspot

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



51.4663, 47.8519, 32.9099



85.2131, 87.0331, 84.9447



51.9996, 40.4168, 59.2967



17.9974, 18.3070, 17.6023



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.



51.4663, 47.8519, 32.9099



62.6371, 56.1458, 33.4431



60.5489, 66.0170, 35.9374



14.7724, 15.1587, 15.0518



20.1029, 12.7799, 1.4072



1.5689, 1.1112, 0.1318

Inverse Universe

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



45.7893, 52.3201, 80.3584



54.1927, 62.7410, 103.8617



37.5656, 35.8727, 77.6172



14.3764, 15.4742, 18.3734



14.5967, 16.2555, 44.7515



1.1636, 1.3712, 3.3353

Previews

White Background



This preview shows how the XYZ color 51.4651, 47.8496, 32.9089 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 51.4651, 47.8496, 32.9089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

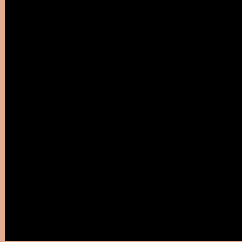
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4651, 47.8496, 32.9089

Background



This preview shows how black text looks on a background with the XYZ color 51.4651, 47.8496, 32.9089.



This preview shows how white text looks on a background with the XYZ color 51.4651, 47.8496,

32.9089.

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

51.4651, 47.8496, 32.9089

Protanopia

45.1512, 48.0851, 35.7558

Deuteranopia

48.9990, 48.0264, 32.6741



Tritanopia

55.0119, 47.9216, 49.5304

Trichromacy



Original Color

51.4651, 47.8496, 32.9089

Protanomaly

47.3987, 48.0460, 34.7926

Deuteranomaly

49.8031, 47.8588, 32.5994

Tritanomaly

53.7961, 47.9889, 42.9866

Monochromacy



Original Color

51.4651, 47.8496, 32.9089

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.3964, 47.8242, 44.7631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4651, 47.8496, 32.9089 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(227, 172, 144)` looks like.

```
.text, #text, p{  
    color:rgb(227, 172, 144)  
}
```

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(227, 172, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 172, 144) }
```

Border

The CSS property to change the border of an element to XYZ 51.4651, 47.8496, 32.9089 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(227, 172, 144) }
```


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

```
.border{ border-color:rgb(227, 172, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 172, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 172, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 172, 144);  
box-shadow:4px 4px 4px 4px rgb(227, 172,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4651, 47.8496, 32.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 172, 144) }
```

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

```
.background{ background-color: rgb(227,  
172, 144) }
```

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