

# Converting Colors

XYZ(51.0763, 46.3547, 32.1119)

Have a look what the booklet for  
XYZ(51.0763, 46.3547, 32.1119)  
contains.

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# Color

**XYZ(51.0897, 46.2786,  
32.2265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5A78F
RGB	229, 167, 143
RGB Percent	90%, 65%, 56%
CMY	0.1020, 0.3451, 0.4392
CMYK	0.00, 0.27, 0.38, 0.10
HSL	17°, 62%, 73%
HSV	17°, 38%, 90%
XYZ	51.0897, 46.2786, 32.2265
YIQ	182.8020, 44.6560, 5.6800

# Conversions

## Conversions Part 2

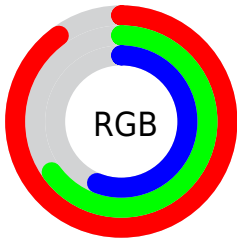
Format	Color
R <sub>Y</sub> B	229, 176, 143
Decimal	15050639
CIE Lab	73.73, 19.79, 21.41
CIE LCh	74, 29.158, 47.260
Yxy	46.2786, 0.3942, 0.3571
Android (android.graphics.Color)	4293240719 (0xFFE5A78F)
YUV	182.8020, -19.6224, 40.5156
Hunter-Lab	68.0284, 15.0049, 19.5329

# Details

The XYZ color **51.0897, 46.2786, 32.2265** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.3009, 55.1573, 82.2820**, and the grayscale version is **44.9892, 47.3322, 51.5447**.

A 20% lighter version of the original color is **77.4393, 77.5338, 63.7073**, and **25.1198, 21.8224, 13.2441** is the 20% darker color. If you saturate the color by 10%, you get **46.6954, 39.9885, 23.0590**, and if you desaturate by 10%, it is **56.2266, 53.4869, 43.3895**.

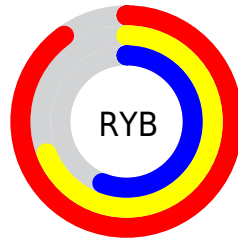
# Distribution



Red (90%)

Green (65%)

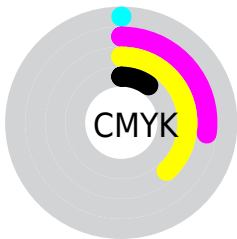
Blue (56%)



Red (90%)

Yellow (69%)

Blue (56%)

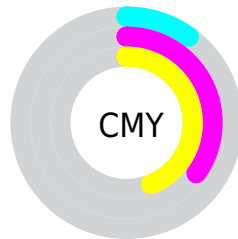


Cyan (0%)

Magenta (27%)

Yellow (38%)

Black (10%)



Cyan (10%)

Magenta (35%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0897, 46.2786, 32.2265 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 51.0897, 46.2786, 32.2265 by changing the saturation by 10% instead.





 51.0897, 46.2786,  
32.2265


 51.0897, 46.2786,  
32.2265


381.2941,  
371.9276, 326.6742

 36.5013, 32.4657,  
21.2683


 90.9696, 84.6358,  
64.2680

 24.9935, 21.7175,  
13.1271


 116.9917,  
109.9489, 86.1884

 16.2009, 13.6495,  
7.3844


147.5559,  
139.8642, 112.6000

 9.7582, 7.8773,  
3.6216

183.0275,  
174.7661, 143.9213

 5.3000, 4.0165,  
1.4201

223.7717,  
215.0390, 180.5708

 2.4609, 1.6828,  
0.1573

270.1540,

 0.8756, 0.4125,

261.0673, 222.9671

0.0000

322.5397,  
313.2354, 271.5287

0.0000, 0.0000,  
0.0000

51.0897, 46.2786,  
32.2265

51.0897, 46.2786,  
32.2265

46.6954, 39.9885,  
23.0590

56.2266, 53.4869,  
43.3895

43.0039, 34.5723,  
15.7651

62.1361, 61.6422,  
56.6543

39.9769, 29.9917,  
10.2139

68.8509, 70.7800,  
72.1230

37.5707, 26.2029,  
6.2560

76.4005, 80.9323,  
89.8903

35.7353, 23.1575,  
3.7167

84.4077, 91.9672,  
107.9104

■ 34.4083, 20.7995,  
2.3620

■ 86.1231, 95.3980,  
108.4822

■ 34.1420, 20.3158,  
2.1219

# Harmonies

## Analogous

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



54.1876, 46.2786, 42.3994



51.0897, 46.2786, 32.2265



46.2170, 46.2786, 27.3945

# Triad

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



51.0897, 46.2786, 32.2265



34.9787, 46.2786, 44.3638



47.0049, 46.2786, 82.7903

# Complementary

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



51.0897, 46.2786, 32.2265



47.3009, 55.1573, 82.2820

# 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.



41.8288, 46.2786, 83.6028



51.0897, 46.2786, 32.2265



35.1533, 46.2786, 59.3252

# Square

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



51.0897, 46.2786, 32.2265



37.0767, 46.2786, 33.4206



37.5741, 46.2786, 74.3461



51.7053, 46.2786, 72.3055



# Rectangle

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



51.0897, 46.2786, 32.2265



42.7411, 46.2786, 27.0807



37.5741, 46.2786, 74.3461



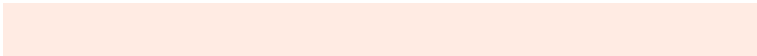
45.2557, 46.2786, 84.2675

# Sweetspot

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



51.0909, 46.2808, 32.2274



84.7435, 86.0938, 84.7882



53.2844, 40.7628, 63.4948



17.8860, 18.0842, 17.5652



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.



51.0909, 46.2808, 32.2274



60.7980, 52.7726, 31.8894



60.0552, 64.2095, 35.2155



14.7028, 15.0196, 15.0286



19.6082, 11.7905, 1.2423



1.5255, 1.0243, 0.1173

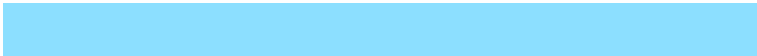


# Inverse Universe

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



47.3009, 55.1573, 82.2820



55.2871, 65.5765, 104.3513



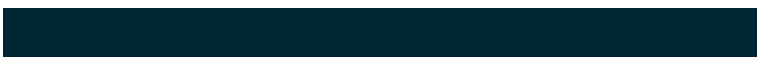
38.5800, 37.7153, 79.3750



14.4496, 15.6205, 18.3978



15.8938, 18.8497, 45.1838



1.2518, 1.5475, 3.3647



# Previews

## White Background



This preview shows how the XYZ color 51.0897, 46.2786, 32.2265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

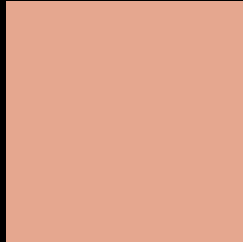
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0897, 46.2786, 32.2265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

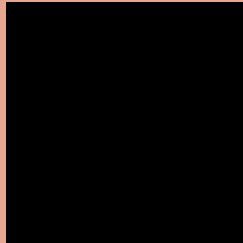
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.0897, 46.2786, 32.2265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0897, 46.2786, 32.2265.



This preview shows how white text looks on a background with the XYZ color 51.0897, 46.2786,

32.2265.

# 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

51.0897, 46.2786, 32.2265

### Protanopia

43.7671, 46.4562, 35.5143

### Deuteranopia

47.1699, 46.2221, 32.0268



## Tritanopia

53.9369, 46.0916, 46.6112

# Trichromacy



## Original Color

51.0897, 46.2786, 32.2265

## Protanomaly

45.9686, 46.1364, 34.0862

## Deuteranomaly

48.3588, 45.9842, 31.9182

## Tritanomaly

52.8413, 46.1842, 40.7797

# Monochromacy



## Original Color

51.0897, 46.2786, 32.2265

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

46.6094, 46.5508, 43.5744

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0897, 46.2786, 32.2265 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(229, 167, 143)` looks like.

```
.text, #text, p{  
    color:rgb(229, 167, 143)  
}
```

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(229, 167, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 167, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0897, 46.2786, 32.2265 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(229, 167, 143) }
```



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

```
.border{ border-color:rgb(229, 167, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 167, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 167, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 167, 143); box-shadow:4px 4px 4px 4px rgb(229, 167, 143) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0897, 46.2786, 32.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 167, 143) }
```

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

```
.background{ background-color: rgb(229,  
167, 143) }
```

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](#).

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