

# Converting Colors

XYZ(51.0713, 44.0044, 24.0891)

Have a look what the booklet for  
XYZ(51.0713, 44.0044, 24.0891)  
contains.

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# Color

**XYZ(50.9996, 44.0360,  
24.2242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE9E7A
RGB	238, 158, 122
RGB Percent	93%, 62%, 48%
CMY	0.0667, 0.3804, 0.5216
CMYK	0.00, 0.34, 0.49, 0.07
HSL	19°, 77%, 71%
HSV	19°, 49%, 93%
XYZ	50.9996, 44.0360, 24.2242
YIQ	177.8160, 59.2360, 5.7640

# Conversions

## Conversions Part 2

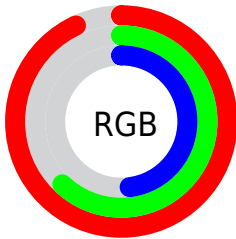
Format	Color
R <sub>Y</sub> B	238, 174, 122
Decimal	15638138
CIE Lab	72.25, 25.90, 30.97
CIE LCh	72, 40.374, 50.095
Yxy	44.0360, 0.4276, 0.3692
Android (android.graphics.Color)	4293828218 (0xFFEE9E7A)
YUV	177.8160, -27.5173, 52.7814
Hunter-Lab	66.3596, 21.0539, 24.8083

# Details

The XYZ color **50.9996, 44.0360, 24.2242** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.5781, 52.5493, 88.6822**, and the grayscale version is **42.3396, 44.5445, 48.5090**.

A 20% lighter version of the original color is **72.7721, 71.9436, 50.6084**, and **24.9470, 20.3728, 8.9208** is the 20% darker color. If you saturate the color by 10%, you get **47.0866, 38.2881, 16.5138**, and if you desaturate by 10%, it is **55.6498, 50.6805, 33.9625**.

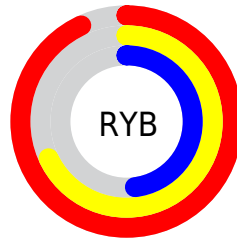
# Distribution



Red (93%)

Green (62%)

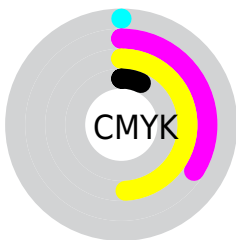
Blue (48%)



Red (93%)

Yellow (68%)

Blue (48%)

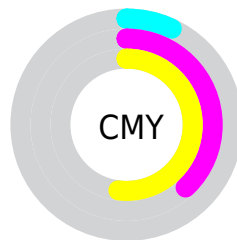


Cyan (0%)

Magenta (34%)

Yellow (49%)

Black (7%)



Cyan (7%)

Magenta (38%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9996, 44.0360, 24.2242 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 50.9996, 44.0360, 24.2242 by changing the saturation by 10% instead.





 50.9996, 44.0360,  
24.2242

 50.9996, 44.0360,  
24.2242


380.9499,  
362.8552, 287.2750


 36.4293, 30.6988,  
15.2863


 90.8372, 81.2719,  
51.3442

 24.9376, 20.3696,  
8.8717


 116.8352,  
105.9394, 70.3634

 16.1591, 12.6640,  
4.5619


 147.3732,  
135.1525, 93.5801

 9.7283, 7.1976,  
1.9384

182.8165,  
169.2955, 121.4128

 5.2801, 3.5860,  
0.5170

223.5304,  
208.7529, 154.2801

 2.4490, 1.4448,  
0.0000

269.8804,

 0.8696, 0.2494,

253.9091, 192.6006

0.0000

322.2318,  
305.1483, 236.7927

■ 0.0000, 0.0000,  
0.0000

■ 50.9996, 44.0360,  
24.2242

■ 50.9996, 44.0360,  
24.2242

■ 47.0866, 38.2881,  
16.5138

■ 55.6498, 50.6805,  
33.9625

■ 43.8660, 33.3901,  
10.6827

■ 61.0719, 58.2526,  
45.8579

■ 41.2925, 29.3006,  
6.5653

■ 67.3024, 66.7894,  
60.0316

■ 39.3134, 25.9714,  
3.9659

■ 74.3739, 76.3245,  
76.5952

■ 37.8568, 23.3447,  
2.5969

■ 82.3178, 86.8892,  
95.6529

■ 37.7001, 23.0577,  
2.4636

■ 89.0698, 96.9171,  
108.6201

# Harmonies

## Analogous

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



55.6595, 44.0360, 35.9932



50.9996, 44.0360, 24.2242



44.1893, 44.0360, 19.3206

# Triad

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



50.9996, 44.0360, 24.2242



30.0514, 44.0360, 41.6777



46.6028, 44.0360, 93.4653

# Complementary

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



50.9996, 44.0360, 24.2242



44.5781, 52.5493, 88.6822

# 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.



39.6042, 44.0360, 96.2303



50.9996, 44.0360, 24.2242



30.5453, 44.0360, 62.2933

# Square

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



50.9996, 44.0360, 24.2242



32.4414, 44.0360, 27.3942



33.8744, 44.0360, 83.5904



52.9331, 44.0360, 76.8368



# Rectangle

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



50.9996, 44.0360, 24.2242



39.5620, 44.0360, 19.3327



33.8744, 44.0360, 83.5904



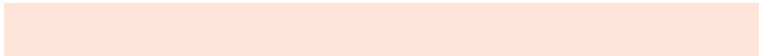
44.2347, 44.0360, 96.1951

# Sweetspot

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



51.0007, 44.0382, 24.2250



81.6469, 82.0867, 77.0163



53.0229, 36.4179, 60.8598



17.1120, 17.0776, 15.6381



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.



51.0007, 44.0382, 24.2250



55.2915, 45.1084, 19.7301



63.0223, 68.0814, 28.2322



16.1730, 16.5592, 16.4935



21.1340, 13.0661, 1.4081



1.8434, 1.2575, 0.1456



# Inverse Universe

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



44.5781, 52.5493, 88.6822



46.9487, 55.9986, 102.9421



33.6150, 30.6230, 85.0278



15.8094, 17.0529, 20.1799



16.1492, 18.5226, 47.8519



1.4315, 1.7171, 4.0102



# Previews

## White Background



This preview shows how the XYZ color 50.9996, 44.0360, 24.2242 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 50.9996, 44.0360, 24.2242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

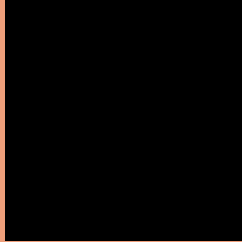
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.9996, 44.0360, 24.2242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9996, 44.0360, 24.2242.



This preview shows how white text looks on a background with the XYZ color 50.9996, 44.0360,



# 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

50.9996, 44.0360, 24.2242

### Protanopia

41.2373, 44.1324, 27.4641

### Deuteranopia

45.2055, 44.2517, 23.9281



## Tritanopia

54.2047, 43.8376, 40.7266

# Trichromacy



## Original Color

50.9996, 44.0360, 24.2242

## Protanomaly

44.2179, 43.6917, 26.1815

## Deuteranomaly

47.2116, 44.1825, 24.1289

## Tritanomaly

52.9156, 43.8064, 34.1003

# Monochromacy



## Original Color

50.9996, 44.0360, 24.2242

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

44.5539, 43.8738, 38.4680

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9996, 44.0360, 24.2242 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(238, 158, 122)` looks like.

```
.text, #text, p{  
    color:rgb(238, 158, 122)  
}
```

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(238, 158, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 158, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9996, 44.0360, 24.2242 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(238, 158, 122) }
```



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

```
.border{ border-color:rgb(238, 158, 122) }
```

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

Here you see how a box with a 4 pixel rgb(238, 158, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 158, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 158, 122);  
box-shadow:4px 4px 4px 4px rgb(238, 158,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9996, 44.0360, 24.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 158, 122) }
```

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

```
.background{ background-color: rgb(238,  
158, 122) }
```

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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