

# Converting Colors

XYZ(17.0365, 12.8215, 8.6403)

Have a look what the booklet for  
XYZ(17.0365, 12.8215, 8.6403)  
contains.

<b>XYZ(17.0844, 12.8032, 8.5920)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(17.0844, 12.8032,  
8.5920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	984F4D
RGB	152, 79, 77
RGB Percent	60%, 31%, 30%
CMY	0.4039, 0.6902, 0.6980
CMYK	0.00, 0.48, 0.49, 0.40
HSL	2°, 33%, 45%
HSV	2°, 49%, 60%
XYZ	17.0844, 12.8032, 8.5920
YIQ	100.5990, 44.1500, 14.8540

# Conversions

## Conversions Part 2

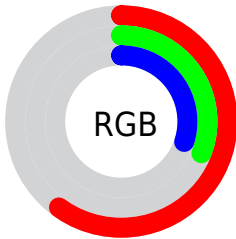
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 79, 77
Decimal	9981773
CIE Lab	42.47, 30.17, 15.02
CIE LCh	42, 33.704, 26.460
Yxy	12.8032, 0.4440, 0.3327
Android (android.graphics.Color)	4288171853 (0xFF984F4D)
YUV	100.5990, -11.6343, 45.0787
Hunter-Lab	35.7816, 22.6096, 10.8102

# Details

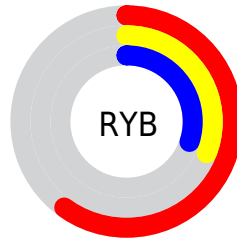
The XYZ color **17.0844, 12.8032, 8.5920** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.6337, 25.6560, 33.6229**, and the grayscale version is **12.2878, 12.9277, 14.0783**.

A 20% lighter version of the original color is **38.0430, 31.0269, 23.7224**, and **5.6943, 3.6312, 1.8396** is the 20% darker color. If you saturate the color by 10%, you get **15.6582, 10.7116, 5.7711**, and if you desaturate by 10%, it is **18.8742, 15.4212, 12.1531**.

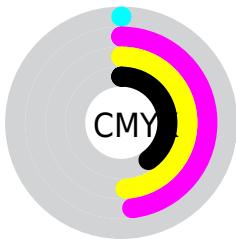
# Distribution



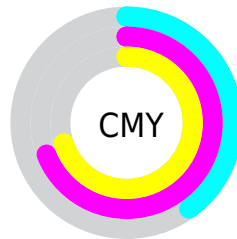
- Red (60%)
- Green (31%)
- Blue (30%)



- Red (60%)
- Yellow (31%)
- Blue (30%)



- Cyan (0%)
- Magenta (48%)
- Yellow (49%)
- Black (40%)




- Cyan (40%)
- Magenta (69%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0844, 12.8032, 8.5920 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 17.0844, 12.8032, 8.5920 by changing the saturation by 10% instead.





 17.0844, 12.8032,  
8.5920


 17.0844, 12.8032,  
8.5920


228.8051,  
209.6525, 190.4090


 10.3904, 7.2932,  
4.3829


 38.0133, 30.9498,  
23.6761


 5.7228, 3.6461,  
1.8376

 52.9788, 44.3551,  
35.3882


 2.7163, 1.4776,  
0.4526

 71.4323, 61.1610,  
50.4384

 1.0056, 0.2729,  
0.0000

 93.7389, 81.7518,  
69.2451

 0.0000, 0.0000,  
0.0000

 120.2642,  
106.5120, 92.2270

151.3734,

135.8259, 119.8026

187.4319,  
170.0780, 152.3904

■ 17.0844, 12.8032,  
8.5920

■ 17.0844, 12.8032,  
8.5920

■ 15.6582, 10.7116,  
5.7711

■ 18.8742, 15.4212,  
12.1531

■ 14.5697, 9.1091,  
3.6376

■ 21.0490, 18.5959,  
16.5006

■ 13.7915, 7.9564,  
2.1330


■ 23.6300, 22.3574,  
21.6780


■ 13.2910, 7.2077,  
1.1888


■ 26.6361, 26.7332,  
27.7252


■ 13.0090, 6.7869,  
0.6531


■ 30.0855, 31.7491,  
34.6797

 12.9929, 6.7635,  
0.6207

 33.9951, 37.4295,  
42.5766

 38.3809, 43.7972,  
51.4494

 43.2582, 50.8742,  
61.3296

 48.6416, 58.6816,  
72.2477

# Harmonies

## Analogous

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



17.7218, 12.8032, 14.8218



17.0844, 12.8032, 8.5920



15.0710, 12.8032, 5.2318

# Triad

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



17.0844, 12.8032, 8.5920



8.5362, 12.8032, 7.5539



11.8701, 12.8032, 33.0729

# Complementary

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



17.0844, 12.8032, 8.5920



19.6337, 25.6560, 33.6229

# 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.



9.6658, 12.8032, 29.1456



17.0844, 12.8032, 8.5920



7.9174, 12.8032, 13.0949

# Square

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



17.0844, 12.8032, 8.5920



10.1206, 12.8032, 4.7953



8.3004, 12.8032, 21.1455



14.4769, 12.8032, 30.5800



# Rectangle

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



17.0844, 12.8032, 8.5920



13.3483, 12.8032, 4.2861



8.3004, 12.8032, 21.1455



11.0614, 12.8032, 32.4332

# Sweetspot

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



17.0847, 12.8039, 8.5922



43.7661, 42.4579, 42.3980



21.1683, 14.2094, 30.7986



9.7201, 9.3191, 9.1794



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



17.0847, 12.8039, 8.5922



27.4621, 18.6480, 9.8393



20.5050, 19.6444, 9.7323



6.2214, 6.2478, 6.4839



10.8981, 5.6786, 0.5217



0.1660, 0.0911, 0.0088



# Inverse Universe

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



19.6337, 25.6560, 33.6229



32.4808, 43.9814, 59.2110



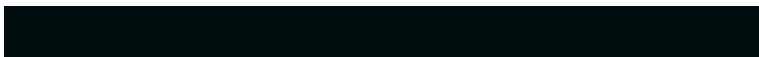
14.6612, 15.7109, 31.9653



6.3704, 6.9982, 7.9440



13.6271, 19.6509, 27.9825

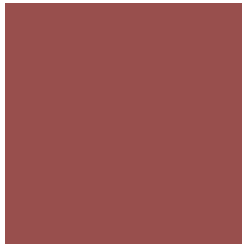


0.2075, 0.3014, 0.4196



# Previews

## White Background



This preview shows how the XYZ color 17.0844, 12.8032, 8.5920 looks on a white 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 × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

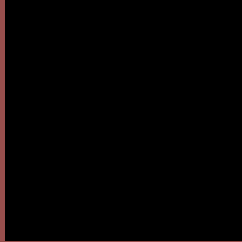
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 17.0844, 12.8032, 8.5920**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.0844, 12.8032, 8.5920.



This preview shows how white text looks on a background with the XYZ color 17.0844, 12.8032,



# 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

17.0844, 12.8032, 8.5920

### Protanopia

12.3178, 13.0597, 10.8884

### Deuteranopia

13.1185, 12.9657, 8.2898



## Tritanopia

17.2735, 12.7643, 9.9408

# Trichromacy



## Original Color

17.0844, 12.8032, 8.5920

## Protanomaly

13.6441, 12.6642, 9.9089

## Deuteranomaly

14.2862, 12.6456, 8.3445

## Tritanomaly

17.1585, 12.7183, 9.3351

# Monochromacy



## Original Color

17.0844, 12.8032, 8.5920

## Achromatopsia

12.3695, 13.0136, 14.1719

## Achromatomaly

13.5918, 12.5945, 11.8398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.0844, 12.8032, 8.5920 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(152, 79, 77)` looks like.

```
.text, #text, p{  
    color:rgb(152, 79, 77)  
}
```

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(152, 79, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 79, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 17.0844, 12.8032, 8.5920 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(152, 79, 77) }
```



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

```
.border{ border-color:rgb(152, 79, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 79, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 79, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 79, 77);  
box-shadow:4px 4px 4px 4px rgb(152, 79,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.0844, 12.8032, 8.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 79, 77) }
```

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

```
.background{ background-color: rgb(152, 79,  
77) }
```

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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