

# Converting Colors

XYZ(35.2029, 32.8487, 20.7326)

Have a look what the booklet for  
XYZ(35.2029, 32.8487, 20.7326)  
contains.

<b>XYZ(35.2122, 32.8261, 20.6998)</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(35.2122, 32.8261,  
20.6998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C19173
RGB	193, 145, 115
RGB Percent	76%, 57%, 45%
CMY	0.2431, 0.4314, 0.5490
CMYK	0.00, 0.25, 0.40, 0.24
HSL	23°, 39%, 60%
HSV	23°, 40%, 76%
XYZ	35.2122, 32.8261, 20.6998
YIQ	155.9320, 38.2380, 0.8460

# Conversions

## Conversions Part 2

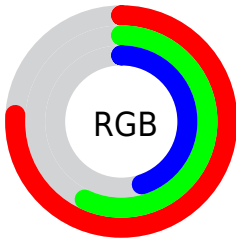
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 164, 115
Decimal	12685683
CIE <sub>Lab</sub>	64.02, 14.19, 22.97
CIE <sub>LCh</sub>	64, 26.996, 58.285
Yxy	32.8261, 0.3968, 0.3699
Android (android.graphics.Color)	4290875763 (0xFFC19173)
YUV	155.9320, -20.1795, 32.5086
Hunter-Lab	57.2941, 9.4392, 18.6849

# Details

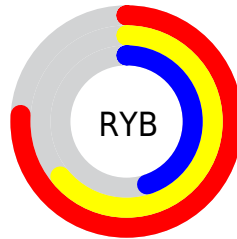
The XYZ color **35.2122, 32.8261, 20.6998** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.7924, 33.6880, 55.3841**, and the grayscale version is **31.6456, 33.2936, 36.2567**.

A 20% lighter version of the original color is **67.1821, 64.1461, 45.3998**, and **15.4971, 13.8139, 7.1598** is the 20% darker color. If you saturate the color by 10%, you get **32.4951, 28.9870, 14.8767**, and if you desaturate by 10%, it is **38.3532, 37.1408, 27.8120**.

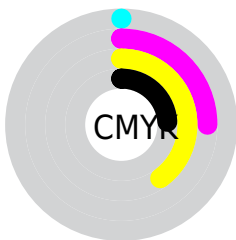
# Distribution



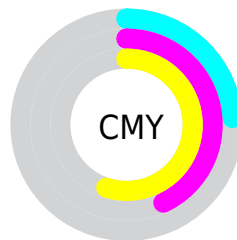
- Red (76%)
- Green (57%)
- Blue (45%)



- Red (76%)
- Yellow (64%)
- Blue (45%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (24%)




- Cyan (24%)
- Magenta (43%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2122, 32.8261, 20.6998 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 35.2122, 32.8261, 20.6998 by changing the saturation by 10% instead.





 35.2122, 32.8261,  
20.6998


 35.2122, 32.8261,  
20.6998


316.9956,  
314.8654, 268.4072


 23.9937, 21.9933,  
12.7156

 67.1462, 64.1039,  
45.4617

 15.4536, 13.8519,  
7.1046


 88.5924, 85.3177,  
63.0765

 9.2268, 8.0178,  
3.4482


 114.1786,  
110.7606, 84.7385

 4.9477, 4.1063,  
1.3278

144.2700,  
140.8170, 110.8664

 2.2510, 1.7332,  
0.0844

179.2320,  
175.8713, 141.8787

 0.7694, 0.4450,  
0.0000

219.4301,

 0.0000, 0.0000,

216.3078, 178.1939

0.0000

265.2295,  
262.5111, 220.2306

■ 35.2122, 32.8261,  
20.6998

■ 35.2122, 32.8261,  
20.6998

■ 32.4951, 28.9870,  
14.8767

■ 38.3532, 37.1408,  
27.8120

■ 30.1790, 25.6013,  
10.2618

■ 41.9346, 41.9428,  
36.2835

■ 28.2424, 22.6520,  
6.7679


■ 45.9747, 47.2492,  
46.1819


■ 26.6602, 20.1186,  
4.2951


■ 50.4904, 53.0750,  
57.5694


■ 25.4036, 17.9788,  
2.7253


■ 55.4973, 59.4342,  
70.5048

 24.4572, 16.2674,  
1.8509

 61.0104, 66.3406,  
85.0435

 67.0441, 73.8073,  
101.2381

 71.2056, 80.8842,  
106.4670

 74.8172, 88.1073,  
107.6709

# Harmonies

## Analogous

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



38.1065, 32.8261, 26.6932



35.2122, 32.8261, 20.6998



31.4200, 32.8261, 18.6044

# Triad

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



35.2122, 32.8261, 20.6998



24.4353, 32.8261, 35.1177



34.8021, 32.8261, 57.5850

# Complementary

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



35.2122, 32.8261, 20.6998



29.7924, 33.6880, 55.3841

# 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.



30.9814, 32.8261, 61.0834



35.2122, 32.8261, 20.6998



25.1833, 32.8261, 46.6345

# Square

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



35.2122, 32.8261, 20.6998



25.3738, 32.8261, 25.8078



27.5052, 32.8261, 56.7262



37.8565, 32.8261, 47.9455



# Rectangle

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



35.2122, 32.8261, 20.6998



28.9577, 32.8261, 19.2921



27.5052, 32.8261, 56.7262



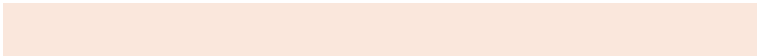
33.5556, 32.8261, 59.5948

# Sweetspot

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



35.2130, 32.8277, 20.7005



80.9965, 82.8709, 79.3758



34.7430, 26.2471, 37.9325



17.1664, 17.5041, 16.5102



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



35.2130, 32.8277, 20.7005



58.9574, 53.0020, 28.2238



42.2065, 46.8146, 23.0316



10.3838, 10.6989, 10.5797



16.3392, 10.9641, 1.2551



0.7728, 0.6074, 0.0765



# Inverse Universe

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



29.7924, 33.6880, 55.3841



47.9728, 54.7081, 98.3916



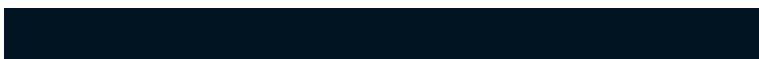
23.9163, 21.9358, 53.4254



10.0326, 10.7566, 12.8323



10.8500, 11.4565, 35.1961



0.5339, 0.6251, 1.5424



# Previews

## White Background



This preview shows how the XYZ color 35.2122, 32.8261, 20.6998 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 35.2122, 32.8261, 20.6998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

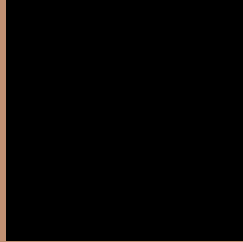
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.2122, 32.8261, 20.6998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2122, 32.8261, 20.6998.



This preview shows how white text looks on a background with the XYZ color 35.2122, 32.8261,



# 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

35.2122, 32.8261, 20.6998

### Protanopia

30.8374, 32.9057, 22.4954

### Deuteranopia

33.5519, 32.9001, 20.5016



## Tritanopia

37.7289, 32.7263, 33.6064

# Trichromacy



## Original Color

35.2122, 32.8261, 20.6998

## Protanomaly

32.2411, 32.6713, 21.7464

## Deuteranomaly

34.1207, 32.9595, 20.4831

## Tritanomaly

36.7661, 32.7831, 28.4347

# Monochromacy



## Original Color

35.2122, 32.8261, 20.6998

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

32.3981, 32.8146, 29.8256

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2122, 32.8261, 20.6998 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(193, 145, 115)` looks like.

```
.text, #text, p{  
    color:rgb(193, 145, 115)  
}
```

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(193, 145, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 145, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2122, 32.8261, 20.6998 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".

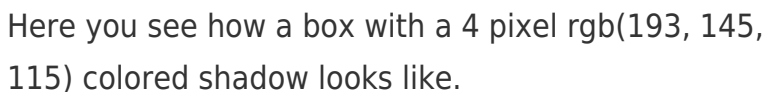
```
.border, #border, table{ border:4px solid rgb(193, 145, 115) }
```



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

```
.border{ border-color:rgb(193, 145, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 145, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 145, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 145, 115); box-shadow:4px 4px 4px 4px rgb(193, 145, 115) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2122, 32.8261, 20.6998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 145, 115) }
```

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

```
.background{ background-color: rgb(193,  
145, 115) }
```

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