

# Converting Colors

XYZ(32.2182, 25.8074, 13.7241)

Have a look what the booklet for  
XYZ(32.2182, 25.8074, 13.7241)  
contains.

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# Color

**XYZ(32.1565, 25.7923,  
13.6395)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8755D
RGB	200, 117, 93
RGB Percent	78%, 46%, 36%
CMY	0.2157, 0.5412, 0.6353
CMYK	0.00, 0.41, 0.53, 0.22
HSL	13°, 49%, 57%
HSV	13°, 53%, 78%
XYZ	32.1565, 25.7923, 13.6395
YIQ	139.0810, 57.1720, 10.1320

# Conversions

## Conversions Part 2

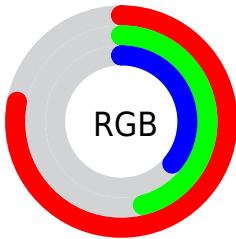
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 124, 93
Decimal	13137245
CIE <sub>Lab</sub>	57.84, 30.13, 27.24
CIE <sub>LCh</sub>	58, 40.616, 42.116
Yxy	25.7923, 0.4492, 0.3603
Android (android.graphics.Color)	4291327325 (0xFFC8755D)
YUV	139.0810, -22.7179, 53.4260
Hunter-Lab	50.7861, 24.1460, 19.6269

# Details

The XYZ color **32.1565, 25.7923, 13.6395** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **30.4639, 37.5459, 60.2848**, and the grayscale version is **24.6418, 25.9251, 28.2325**.

A 20% lighter version of the original color is **60.6488, 52.0231, 33.2305**, and **13.6556, 9.9623, 3.7880** is the 20% darker color. If you saturate the color by 10%, you get **29.7236, 22.1637, 9.0150**, and if you desaturate by 10%, it is **35.1218, 30.1152, 19.5848**.

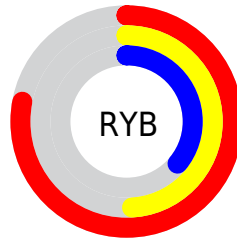
# Distribution



Red (78%)

Green (46%)

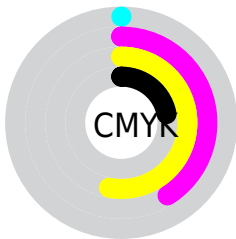
Blue (36%)



Red (78%)

Yellow (49%)

Blue (36%)

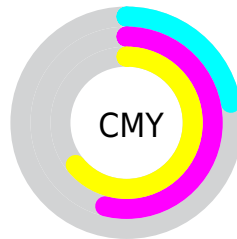


Cyan (0%)

Magenta (41%)

Yellow (53%)

Black (22%)



Cyan (22%)

Magenta (54%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1565, 25.7923, 13.6395 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 32.1565, 25.7923, 13.6395 by changing the saturation by 10% instead.





 32.1565, 25.7923,  
13.6395


 32.1565, 25.7923,  
13.6395


303.5642,  
281.7610, 226.3264


 21.6372, 16.6683,  
7.7345


 62.4199, 52.9397,  
33.1559


 13.7057, 9.9983,  
3.8402


 82.8947, 71.7319,  
47.6043

 7.9966, 5.3978,  
1.5381


 107.4187, 94.5156,  
65.7376

 4.1445, 2.4825,  
0.2461

 136.3572,  
121.6753, 87.9743

 1.7842, 0.8679,  
0.0000

170.0757,  
153.5952, 114.7330

 0.5081, 0.0000,  
0.0000

208.9395,

 0.0000, 0.0000,

190.6599, 146.4323

0.0000

253.3138,  
233.2537, 183.4905

■ 32.1565, 25.7923,  
13.6395

■ 32.1565, 25.7923,  
13.6395

■ 29.7236, 22.1637,  
9.0150

■ 35.1218, 30.1152,  
19.5848

■ 27.7881, 19.1887,  
5.6075

■ 38.6479, 35.1626,  
26.9408

■ 26.3133, 16.8281,  
3.3002

■ 42.7633, 40.9676,  
35.7911

■ 25.2560, 15.0364,  
1.9520

■ 47.4940, 47.5599,  
46.2124

■ 24.7527, 14.1461,  
1.4259

■ 52.8642, 54.9678,  
58.2762

■ 58.8970, 63.2181,  
72.0495

■ 65.6143, 72.3364,  
87.5955

■ 73.0369, 82.3470,  
104.9742

■ 77.6293, 91.0193,  
108.0847

# Harmonies

## Analogous

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



34.8835, 25.7923, 22.8114



32.1565, 25.7923, 13.6395



27.5114, 25.7923, 9.4842

# Triad

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



32.1565, 25.7923, 13.6395



16.6239, 25.7923, 20.6114



26.5378, 25.7923, 63.4129

# Complementary

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



32.1565, 25.7923, 13.6395



30.4639, 37.5459, 60.2848

# 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.



21.7441, 25.7923, 62.2154



32.1565, 25.7923, 13.6395



16.4360, 25.7923, 34.1110

# Square

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



32.1565, 25.7923, 13.6395



18.7441, 25.7923, 12.4914



18.1912, 25.7923, 50.2405



31.3628, 25.7923, 53.1124



# Rectangle

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



32.1565, 25.7923, 13.6395



24.1700, 25.7923, 8.8766



18.1912, 25.7923, 50.2405



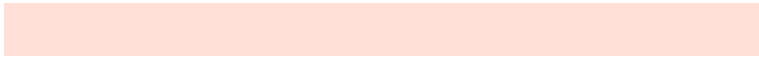
24.8629, 25.7923, 64.4170

# Sweetspot

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



32.1571, 25.7936, 13.6400



79.8854, 79.0897, 74.8077



35.6513, 23.2752, 44.1127



16.7268, 16.4108, 15.1905



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.



32.1571, 25.7936, 13.6400



50.9363, 37.5757, 14.6476



40.1106, 41.7005, 16.2911



10.8237, 11.0165, 11.1187



15.7949, 9.1069, 0.9253



0.8041, 0.5436, 0.0625



# Inverse Universe

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



30.4639, 37.5459, 60.2848



47.6154, 59.8285, 103.6462



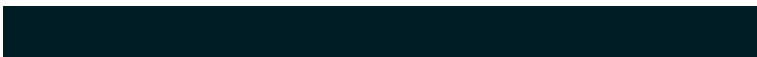
22.0620, 20.7421, 57.4842



10.7371, 11.6483, 13.5999



14.1649, 17.7236, 37.4188



0.7218, 0.9415, 1.7888



# Previews

## White Background



This preview shows how the XYZ color 32.1565, 25.7923, 13.6395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

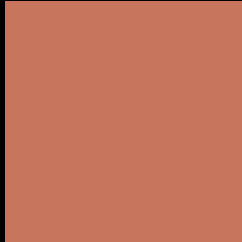
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 32.1565, 25.7923, 13.6395 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 × Fail

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

**XYZ 32.1565, 25.7923, 13.6395**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.1565, 25.7923, 13.6395.



This preview shows how white text looks on a background with the XYZ color 32.1565, 25.7923,



# 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

32.1565, 25.7923, 13.6395

### Protanopia

24.2086, 25.9086, 16.2953

### Deuteranopia

26.3814, 25.8381, 13.2697



## Tritanopia

33.7134, 25.7473, 21.2820

# Trichromacy



## Original Color

32.1565, 25.7923, 13.6395

## Protanomaly

26.5169, 25.4583, 15.3207

## Deuteranomaly

28.3001, 25.6374, 13.3545

## Tritanomaly

32.9740, 25.5998, 18.2423

# Monochromacy



## Original Color

32.1565, 25.7923, 13.6395

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

26.3271, 25.2148, 21.8917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1565, 25.7923, 13.6395 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(200, 117, 93)` looks like.

```
.text, #text, p{  
    color:rgb(200, 117, 93)  
}
```

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(200, 117, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 117, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1565, 25.7923, 13.6395 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(200, 117, 93) }
```



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

```
.border{ border-color:rgb(200, 117, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 117, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 117, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 117, 93);  
box-shadow:4px 4px 4px 4px rgb(200, 117,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1565, 25.7923, 13.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 117, 93) }
```

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

```
.background{ background-color: rgb(200,  
117, 93) }
```

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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