

# Converting Colors

XYZ(31.7765, 22.5566, 11.9024)

Have a look what the booklet for  
XYZ(31.7765, 22.5566, 11.9024)  
contains.

<b>XYZ(31.7683, 22.5194, 11.9048)</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(31.7683, 22.5194,  
11.9048)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF6158
RGB	207, 97, 88
RGB Percent	81%, 38%, 35%
CMY	0.1882, 0.6196, 0.6549
CMYK	0.00, 0.53, 0.57, 0.19
HSL	5°, 55%, 58%
HSV	5°, 57%, 81%
XYZ	31.7683, 22.5194, 11.9048
YIQ	128.8640, 68.4490, 20.5210

# Conversions

## Conversions Part 2

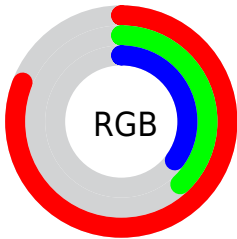
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 98, 88
Decimal	13590872
CIE <sub>Lab</sub>	54.57, 42.80, 26.04
CIE <sub>LCh</sub>	55, 50.098, 31.323
Yxy	22.5194, 0.4799, 0.3402
Android (android.graphics.Color)	4291780952 (0xFFCF6158)
YUV	128.8640, -20.1460, 68.5253
Hunter-Lab	47.4546, 36.4505, 18.3443

# Details

The XYZ color **31.7683, 22.5194, 11.9048** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **35.4796, 46.9649, 66.2264**, and the grayscale version is **20.8709, 21.9578, 23.9120**.

A 20% lighter version of the original color is **56.7338, 44.9077, 29.7226**, and **13.5690, 8.3398, 3.0851** is the 20% darker color. If you saturate the color by 10%, you get **29.4696, 19.1050, 7.4920**, and if you desaturate by 10%, it is **34.7378, 26.8862, 17.7423**.

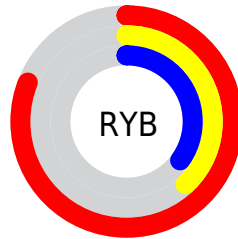
# Distribution



Red (81%)

Green (38%)

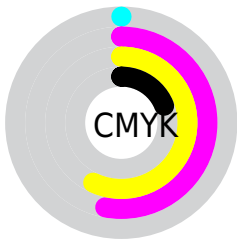
Blue (35%)



Red (81%)

Yellow (38%)

Blue (35%)

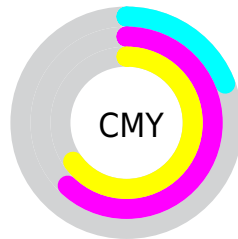


Cyan (0%)

Magenta (53%)

Yellow (57%)

Black (19%)



Cyan (19%)

Magenta (62%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7683, 22.5194, 11.9048 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 31.7683, 22.5194, 11.9048 by changing the saturation by 10% instead.





 31.7683, 22.5194,  
11.9048


 31.7683, 22.5194,  
11.9048


301.8265,  
265.2468, 214.7295


 21.3393, 14.2390,  
6.5571


 61.8153, 47.6030,  
29.9834


 13.4861, 8.2871,  
3.1125


 82.1640, 65.1750,  
43.5514


 7.8434, 4.2792,  
1.1524

 106.5500, 86.6130,  
60.6966

 4.0459, 1.8309,  
0.0000

 135.3386,  
112.3014, 81.8376

 1.7281, 0.5063,  
0.0000

 168.8952,  
142.6246, 107.3928

 0.4738, 0.0000,  
0.0000

207.5852,

 0.0000, 0.0000,

177.9669, 137.7808

0.0000

251.7738,  
218.7129, 173.4202

■ 31.7683, 22.5194,  
11.9048

■ 31.7683, 22.5194,  
11.9048

■ 29.4696, 19.1050,  
7.4920

■ 34.7378, 26.8862,  
17.7423

■ 27.7877, 16.5687,  
4.3808

■ 38.4234, 32.2654,  
25.1115

■ 26.6630, 14.8307,  
2.4288

■ 42.8680, 38.7164,  
34.1103

■ 26.0191, 13.7939,  
1.4405

■ 48.1111, 46.2928,  
44.8282

■ 25.9124, 13.6261,  
1.2644

■ 54.1891, 55.0448,  
57.3482

■ 61.1363, 65.0194,  
71.7479

■ 68.9850, 76.2612,  
88.1003

■ 77.7660, 88.8125,  
106.4747

■ 79.5420, 92.0053,  
108.1742

# Harmonies

## Analogous

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



33.8124, 22.5194, 23.8273



31.7683, 22.5194, 11.9048



26.8903, 22.5194, 6.3910

# Triad

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



31.7683, 22.5194, 11.9048



13.4021, 22.5194, 12.6686



21.6491, 22.5194, 68.9707

# Complementary

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



31.7683, 22.5194, 11.9048



35.4796, 46.9649, 66.2264

# 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.



16.7198, 22.5194, 61.8446



31.7683, 22.5194, 11.9048



12.4769, 22.5194, 25.2256

# Square

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



31.7683, 22.5194, 11.9048



16.3637, 22.5194, 6.6806



13.5816, 22.5194, 43.8746



27.3856, 22.5194, 60.5582



# Rectangle

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



31.7683, 22.5194, 11.9048



23.0394, 22.5194, 5.1128



13.5816, 22.5194, 43.8746



19.8479, 22.5194, 68.2982

# Sweetspot

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



31.7688, 22.5206, 11.9052



77.3624, 74.5615, 72.3705



39.5383, 24.3715, 56.6935



16.1686, 15.3963, 14.6900



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.



31.7688, 22.5206, 11.9052



46.5121, 29.5432, 10.6576



39.2871, 37.5572, 14.4113



11.8796, 11.9499, 12.2925



16.3530, 8.6390, 0.8056



0.9400, 0.5343, 0.0536



# Inverse Universe

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



35.4796, 46.9649, 66.2264



52.9367, 72.2005, 105.7538



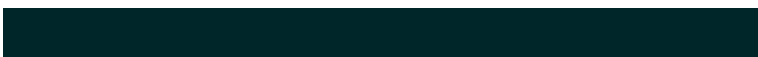
24.6019, 25.2096, 62.6005



12.0786, 13.2475, 15.1641



18.9111, 26.4687, 41.3048



1.0807, 1.5266, 2.3173



# Previews

## White Background



This preview shows how the XYZ color 31.7683, 22.5194, 11.9048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

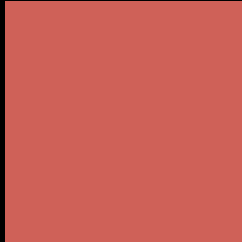
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.7683, 22.5194, 11.9048 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 31.7683, 22.5194, 11.9048**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.7683, 22.5194, 11.9048.



This preview shows how white text looks on a background with the XYZ color 31.7683, 22.5194,



# 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

31.7683, 22.5194, 11.9048

### Protanopia

21.3298, 22.7674, 15.8407

### Deuteranopia

22.9955, 22.5609, 11.3263



## Tritanopia

32.5029, 22.5536, 15.2106

# Trichromacy



## Original Color

31.7683, 22.5194, 11.9048

## Protanomaly

24.0643, 21.9492, 14.2776

## Deuteranomaly

25.6749, 22.1475, 11.5160

## Tritanomaly

32.3530, 22.6387, 13.9738

# Monochromacy



## Original Color

31.7683, 22.5194, 11.9048

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

23.3032, 21.1056, 18.7652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.7683, 22.5194, 11.9048 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(207, 97, 88)` looks like.

```
.text, #text, p{  
    color:rgb(207, 97, 88)  
}
```

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(207, 97, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 97, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 31.7683, 22.5194, 11.9048 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(207, 97, 88) }
```



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

```
.border{ border-color:rgb(207, 97, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 97, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 97, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 97, 88);  
box-shadow:4px 4px 4px 4px rgb(207, 97,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.7683, 22.5194, 11.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 97, 88) }
```

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

```
.background{ background-color: rgb(207, 97,  
88) }
```

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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