

Converting Colors

XYZ(31.9966, 25.5428, 13.3691)

Have a look what the booklet for
XYZ(31.9966, 25.5428, 13.3691)
contains.

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Color

**XYZ(31.9966, 25.5428,
13.3691)**

Conversions

Conversions Part 1

Format	Color
Hex	C8745C
RGB	200, 116, 92
RGB Percent	78%, 45%, 36%
CMY	0.2157, 0.5451, 0.6392
CMYK	0.00, 0.42, 0.54, 0.22
HSL	13°, 50%, 57%
HSV	13°, 54%, 78%
XYZ	31.9966, 25.5428, 13.3691
YIQ	138.3800, 57.7680, 10.3440

Conversions

Conversions Part 2

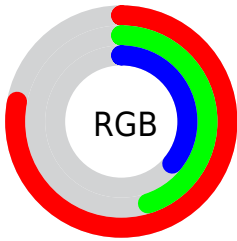
Format	Color
RYB	200, 123, 92
Decimal	13136988
CIELab	57.60, 30.58, 27.49
CIELCh	58, 41.121, 41.956
Yxy	25.5428, 0.4512, 0.3602
Android (android.graphics.Color)	4291327068 (0xFFC8745C)
YUV	138.3800, -22.8653, 54.0407
Hunter-Lab	50.5399, 24.5628, 19.6942

Details

The XYZ color **31.9966, 25.5428, 13.3691** 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 **30.3636, 37.4945, 60.2803**, and the grayscale version is **24.3725, 25.6418, 27.9239**.

A 20% lighter version of the original color is **60.3859, 51.6191, 32.7674**, and **13.5967, 9.8445, 3.7683** is the 20% darker color. If you saturate the color by 10%, you get **29.5896, 21.9483, 8.8080**, and if you desaturate by 10%, it is **34.9358, 29.8327, 19.2466**.

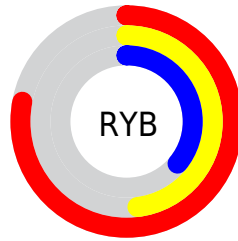
Distribution



Red (78%)

Green (45%)

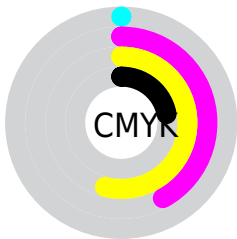
Blue (36%)



Red (78%)

Yellow (48%)

Blue (36%)

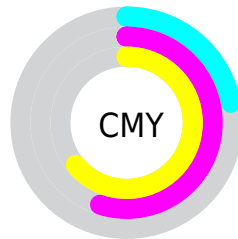


Cyan (0%)

Magenta (42%)

Yellow (54%)

Black (22%)



Cyan (22%)


Magenta (55%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9966, 25.5428, 13.3691 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 31.9966, 25.5428, 13.3691 by changing the saturation by 10% instead.


 31.9966, 25.5428,
13.3691


 31.9966, 25.5428,
13.3691


302.8493,
280.5304, 224.5601


 21.5144, 16.4819,
7.5495


 62.1710, 52.5364,
32.6662

 13.6152, 9.8658,
3.7244


 82.5939, 71.2380,
46.9807

 7.9334, 5.3101,
1.4754


 107.0612, 93.9219,
64.9640

 4.1038, 2.4303,
0.1995

 135.9381,
120.9725, 87.0345

 1.7610, 0.8414,
0.0000

169.5900,
152.7743, 113.6108

 0.4940, 0.0000,
0.0000

208.3822,

 0.0000, 0.0000,

189.7116, 145.1115

0.0000

252.6802,
232.1689, 181.9551

■ 31.9966, 25.5428,
13.3691

■ 31.9966, 25.5428,
13.3691

■ 29.5896, 21.9483,
8.8080

■ 34.9358, 29.8327,
19.2466

■ 27.6796, 19.0079,
5.4590

■ 38.4359, 34.8485,
26.5309

■ 26.2293, 16.6820,
3.2041

■ 42.5256, 40.6236,
35.3061

■ 25.1950, 14.9244,
1.9006

■ 47.2310, 47.1881,
45.6492

■ 24.7370, 14.1146,
1.4206

■ 52.5766, 54.5704,
57.6319

■ 58.5856, 62.7977,
71.3215

■ 65.2801, 71.8957,
86.7814

■ 72.6810, 81.8891,
104.0719

■ 77.6294, 91.0193,
108.0847

Harmonies

Analogous

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



34.7340, 25.5428, 22.5782



31.9966, 25.5428, 13.3691



27.3207, 25.5428, 9.2117

Triad

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



31.9966, 25.5428, 13.3691



16.3622, 25.5428, 20.2498



26.2864, 25.5428, 63.5335

Complementary

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



31.9966, 25.5428, 13.3691



30.3636, 37.4945, 60.2803

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.



21.4694, 25.5428, 62.2532



31.9966, 25.5428, 13.3691



16.1636, 25.5428, 33.7974

Square

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



31.9966, 25.5428, 13.3691



18.4972, 25.5428, 12.1616



17.9122, 25.5428, 50.0866



31.1520, 25.5428, 53.1522

Rectangle

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



31.9966, 25.5428, 13.3691



23.9568, 25.5428, 8.5969



17.9122, 25.5428, 50.0866



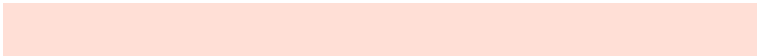
24.6014, 25.5428, 64.5287

Sweetspot

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



31.9972, 25.5441, 13.3696



79.8626, 79.0441, 74.8002



35.5426, 23.0923, 43.9703



16.7214, 16.4001, 15.1887



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.



31.9972, 25.5441, 13.3696



50.5261, 36.9303, 13.9716



40.0138, 41.5772, 16.0417



10.8219, 11.0129, 11.1181



15.7844, 9.0860, 0.9218



0.8033, 0.5419, 0.0623

Inverse Universe

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



30.3636, 37.4945, 60.2803



47.3067, 59.5820, 103.6149



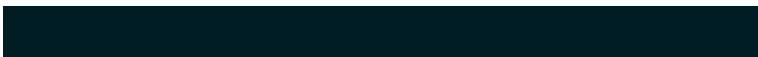
21.8726, 20.5126, 57.4500



10.7390, 11.6521, 13.6006



14.2087, 17.8113, 37.4334



0.7236, 0.9450, 1.7894

Previews

White Background



This preview shows how the XYZ color 31.9966, 25.5428, 13.3691 looks on a white background.

Color Contrast Check

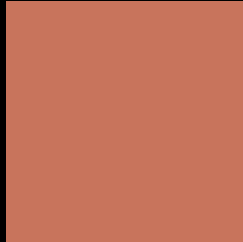
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9966, 25.5428, 13.3691 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 31.9966, 25.5428, 13.3691

Background



This preview shows how black text looks on a background with the XYZ color 31.9966, 25.5428, 13.3691.



This preview shows how white text looks on a background with the XYZ color 31.9966, 25.5428,

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

31.9966, 25.5428, 13.3691

Protanopia

23.9760, 25.7944, 16.0271

Deuteranopia

26.1271, 25.7118, 13.0370



Tritanopia

33.5415, 25.5010, 20.9236

Trichromacy



Original Color

31.9966, 25.5428, 13.3691

Protanomaly

26.4694, 25.4393, 15.0705

Deuteranomaly

28.0252, 25.5006, 13.1179

Tritanomaly

32.8070, 25.3536, 17.9165

Monochromacy



Original Color

31.9966, 25.5428, 13.3691

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.1318, 24.9228, 21.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9966, 25.5428, 13.3691 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, 116, 92)` looks like.

```
.text, #text, p{  
    color:rgb(200, 116, 92)  
}
```

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, 116, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 116, 92) }
```

Border

The CSS property to change the border of an element to XYZ 31.9966, 25.5428, 13.3691 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, 116, 92) }
```


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

```
.border{ border-color:rgb(200, 116, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 116, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 116, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 116, 92);  
box-shadow:4px 4px 4px 4px rgb(200, 116,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9966, 25.5428, 13.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 116, 92) }
```

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

```
.background{ background-color: rgb(200,  
116, 92) }
```

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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