

Converting Colors

XYZ(29.3881, 22.1659, 13.0033)

Have a look what the booklet for
XYZ(29.3881, 22.1659, 13.0033)
contains.

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Color

**XYZ(29.3317, 22.0929,
13.0743)**

Conversions

Conversions Part 1

Format	Color
Hex	C3675D
RGB	195, 103, 93
RGB Percent	76%, 40%, 36%
CMY	0.2353, 0.5961, 0.6353
CMYK	0.00, 0.47, 0.52, 0.24
HSL	6°, 46%, 56%
HSV	6°, 52%, 76%
XYZ	29.3317, 22.0929, 13.0743
YIQ	129.3680, 58.0420, 16.3940

Conversions

Conversions Part 2

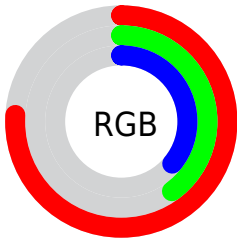
Format	Color
R_{YB}	195, 104, 93
Decimal	12805981
CIE _{Lab}	54.13, 35.62, 22.24
CIE _{LCh}	54, 41.992, 31.975
Yxy	22.0929, 0.4548, 0.3425
Android (android.graphics.Color)	4290996061 (0xFFC3675D)
YUV	129.3680, -17.9294, 57.5593
Hunter-Lab	47.0031, 29.1353, 16.4102

Details

The XYZ color **29.3317, 22.0929, 13.0743** 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 **31.7124, 40.9630, 57.8648**, and the grayscale version is **21.0427, 22.1385, 24.1089**.

A 20% lighter version of the original color is **58.0864, 47.0201, 32.0009**, and **12.1027, 8.0698, 3.6091** is the 20% darker color. If you saturate the color by 10%, you get **27.0064, 18.6529, 8.5677**, and if you desaturate by 10%, it is **32.2462, 26.3591, 18.8641**.

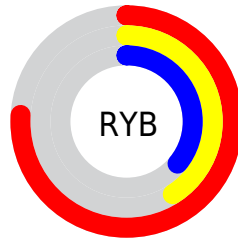
Distribution



Red (76%)

Green (40%)

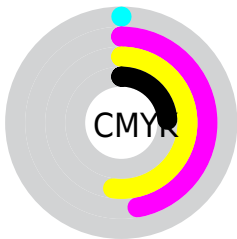
Blue (36%)



Red (76%)

Yellow (41%)

Blue (36%)

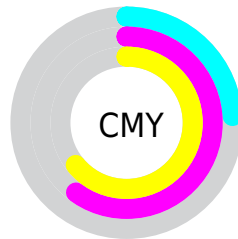


Cyan (0%)

Magenta (47%)

Yellow (52%)

Black (24%)



Cyan (24%)

Magenta (60%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3317, 22.0929, 13.0743 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 29.3317, 22.0929, 13.0743 by changing the saturation by 10% instead.

■ 29.3317, 22.0929,
13.0743

■ 29.3317, 22.0929,
13.0743

290.7429,
263.0310, 222.6178

■ 19.4774, 13.9252,
7.3484

■ 57.9976, 46.8995,
32.1303

■ 12.1218, 8.0686,
3.5992

■ 77.5399, 64.3072,
46.2976

■ 6.8995, 4.1389,
1.4081

■ 101.0423, 85.5636,
64.1157

■ 3.4451, 1.7516,
0.1481

■ 128.8702,
111.0532, 86.0031

■ 1.3933, 0.4567,
0.0000

161.3888,
141.1603, 112.3785

■ 0.2514, 0.0000,
0.0000

198.9635,

■ 0.0000, 0.0000,

176.2694, 143.6604

0.0000

241.9598,
216.7649, 180.2674

■ 29.3317, 22.0929,
13.0743

■ 29.3317, 22.0929,
13.0743

■ 27.0064, 18.6529,
8.5677

■ 32.2462, 26.3591,
18.8641

■ 25.2284, 15.9823,
5.2453

■ 35.7849, 31.4968,
26.0235

■ 23.9527, 14.0226,
2.9957

■ 39.9818, 37.5517,
34.6327

■ 23.1262, 12.7053,
1.6855

■ 44.8680, 44.5657,
44.7656

■ 22.7406, 12.0721,
1.1316

■ 50.4728, 52.5780,
56.4909

■ 56.8236, 61.6254,
69.8731

■ 63.9465, 71.7432,
84.9732

■ 71.8661, 82.9648,
101.8490

■ 76.3156, 90.3421,
108.0232

Harmonies

Analogous

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



31.0156, 22.0929, 23.2020



29.3317, 22.0929, 13.0743



25.3849, 22.0929, 8.0204

Triad

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



29.3317, 22.0929, 13.0743



14.1819, 22.0929, 14.0961



21.3017, 22.0929, 58.8050

Complementary

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



29.3317, 22.0929, 13.0743



31.7124, 40.9630, 57.8648

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.



17.1492, 22.0929, 53.6567



29.3317, 22.0929, 13.0743



13.4104, 22.0929, 24.9295

Square

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



29.3317, 22.0929, 13.0743



16.6968, 22.0929, 8.4429



14.4153, 22.0929, 39.9185



25.9823, 22.0929, 52.1957

Rectangle

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



29.3317, 22.0929, 13.0743



22.2443, 22.0929, 6.7937



14.4153, 22.0929, 39.9185



19.8004, 22.0929, 58.3876

Sweetspot

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



29.3322, 22.0940, 13.0747



76.7600, 74.6580, 72.6905



35.3362, 22.9974, 49.3099



16.4072, 15.7716, 15.0839



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.



29.3322, 22.0940, 13.0747



47.7713, 32.5159, 14.2089



35.7910, 35.0116, 15.2276



10.1509, 10.2333, 10.5021



14.8092, 7.9042, 0.7451



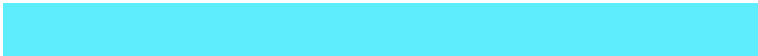
0.6673, 0.3964, 0.0413

Inverse Universe

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



31.7124, 40.9630, 57.8648



52.4382, 69.8865, 103.1954



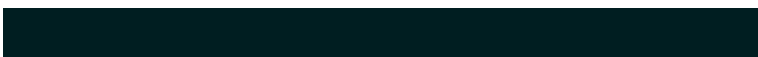
23.0985, 23.7352, 54.9935



10.2814, 11.2541, 12.9152



16.5111, 22.7786, 37.0831



0.7383, 1.0341, 1.6106

Previews

White Background



This preview shows how the XYZ color 29.3317, 22.0929, 13.0743 looks on a white background.

Color Contrast Check

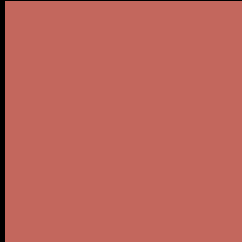
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3317, 22.0929, 13.0743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

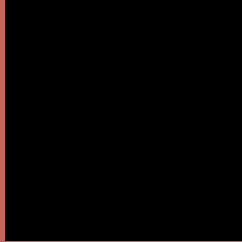
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3317, 22.0929, 13.0743

Background



This preview shows how black text looks on a background with the XYZ color 29.3317, 22.0929, 13.0743.



This preview shows how white text looks on a background with the XYZ color 29.3317, 22.0929,

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

29.3317, 22.0929, 13.0743

Protanopia

21.0137, 22.3885, 16.5785

Deuteranopia

22.5284, 22.1051, 12.5305



Tritanopia

30.1254, 22.1258, 16.8703

Trichromacy



Original Color

29.3317, 22.0929, 13.0743

Protanomaly

23.3635, 21.7435, 15.2774

Deuteranomaly

24.6684, 21.7750, 12.5757

Tritanomaly

29.9645, 22.2178, 15.5411

Monochromacy



Original Color

29.3317, 22.0929, 13.0743

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.0057, 21.4662, 19.4539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3317, 22.0929, 13.0743 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(195, 103, 93)` looks like.

```
.text, #text, p{  
    color:rgb(195, 103, 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(195, 103, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 103, 93) }
```

Border

The CSS property to change the border of an element to XYZ 29.3317, 22.0929, 13.0743 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(195, 103, 93) }
```


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

```
.border{ border-color:rgb(195, 103, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 103, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 103, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 103, 93);  
box-shadow:4px 4px 4px 4px rgb(195, 103,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3317, 22.0929, 13.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 103, 93) }
```

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

```
.background{ background-color: rgb(195,  
103, 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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