

Converting Colors

XYZ(32.0868, 22.2963, 5.8636)

Have a look what the booklet for
XYZ(32.0868, 22.2963, 5.8636)
contains.

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Color

**XYZ(31.9748, 22.2228,
5.8530)**

Conversions

Conversions Part 1

Format	Color
Hex	D55D34
RGB	213, 93, 52
RGB Percent	84%, 36%, 20%
CMY	0.1647, 0.6353, 0.7961
CMYK	0.00, 0.56, 0.76, 0.16
HSL	15°, 66%, 52%
HSV	15°, 76%, 84%
XYZ	31.9748, 22.2228, 5.8530
YIQ	124.2060, 84.6810, 12.6890

Conversions

Conversions Part 2

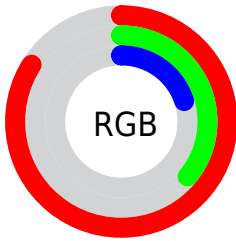
Format	Color
RYB	213, 107, 52
Decimal	13983028
CIELab	54.26, 44.89, 45.66
CIELCh	54, 64.031, 45.489
Yxy	22.2228, 0.5325, 0.3701
Android (android.graphics.Color)	4292173108 (0xFFD55D34)
YUV	124.2060, -35.5976, 77.8723
Hunter-Lab	47.1411, 38.5760, 25.6373

Details

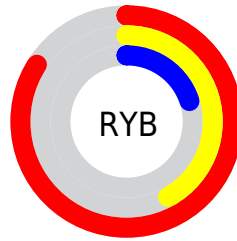
The XYZ color **31.9748, 22.2228, 5.8530** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.1777, 35.0367, 68.2281**, and the grayscale version is **19.3231, 20.3294, 22.1387**.

A 20% lighter version of the original color is **53.8678, 42.7574, 17.7258**, and **13.5377, 8.1035, 0.9368** is the 20% darker color. If you saturate the color by 10%, you get **30.3470, 19.5698, 3.4537**, and if you desaturate by 10%, it is **34.1091, 25.5433, 9.4885**.

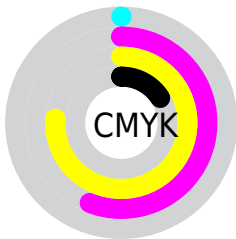
Distribution



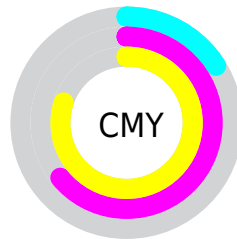
- Red (84%)
- Green (36%)
- Blue (20%)



- Red (84%)
- Yellow (42%)
- Blue (20%)



- Cyan (0%)
- Magenta (56%)
- Yellow (76%)
- Black (16%)





- Cyan (16%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9748, 22.2228, 5.8530 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 31.9748, 22.2228, 5.8530 by changing the saturation by 10% instead.


 31.9748, 22.2228,
5.8530


 31.9748, 22.2228,
5.8530


302.7518,
263.7076, 167.0122


 21.4977, 14.0207,
2.6886


 62.1370, 47.1140,
18.0974

 13.6028, 8.1351,
0.9377


 82.5529, 64.5718,
28.0144

 7.9248, 4.1815,
0.0000


 107.0124, 85.8837,
41.0194

 4.0983, 1.7756,
0.0000

 135.8809,
111.4340, 57.5308

 1.7579, 0.4719,
0.0000

 169.5237,
141.6072, 77.9673

 0.4921, 0.0000,
0.0000

 208.3062,

 0.0000, 0.0000,

176.7876, 102.7473

0.0000

252.5938,
217.3596, 132.2895

■ 31.9748, 22.2228,
5.8530

■ 31.9748, 22.2228,
5.8530

■ 30.3470, 19.5698,
3.4537

■ 34.1091, 25.5433,
9.4885

■ 29.1745, 17.5317,
2.1163

■ 36.7908, 29.5709,
14.5004

■ 28.7713, 16.8078,
1.7278

■ 40.0578, 34.3462,
21.0111

■ 43.9440, 39.9054,
29.1291

■ 48.4805, 46.2826,
38.9526

■ 53.6965, 53.5095,
50.5721

■ 59.6191, 61.6162,
64.0716

■ 66.2740, 70.6313,
79.5296

■ 73.6855, 80.5821,
97.0204

Harmonies

Analogous

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



36.8417, 22.2228, 15.3285



31.9748, 22.2228, 5.8530



24.6598, 22.2228, 2.8173

Triad

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



31.9748, 22.2228, 5.8530



10.6259, 22.2228, 15.8003



24.9058, 22.2228, 83.2026

Complementary

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



31.9748, 22.2228, 5.8530



28.1777, 35.0367, 68.2281

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.



17.9400, 22.2228, 83.5898



31.9748, 22.2228, 5.8530



10.6634, 22.2228, 35.9580

Square

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



31.9748, 22.2228, 5.8530



12.9364, 22.2228, 6.0348



13.0535, 22.2228, 63.1670



32.1887, 22.2228, 62.2922

Rectangle

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



31.9748, 22.2228, 5.8530



19.8662, 22.2228, 2.5747



13.0535, 22.2228, 63.1670



22.4298, 22.2228, 86.0074

Sweetspot

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



31.9753, 22.2240, 5.8534



74.6096, 71.9933, 62.3974



36.1871, 19.6096, 41.2862



15.3934, 14.6063, 12.0874



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.



31.9753, 22.2240, 5.8534



44.4155, 27.3643, 3.7489



42.9559, 44.1853, 9.5136



12.6778, 12.9298, 12.9882



17.6447, 10.4066, 1.0787



1.1311, 0.7615, 0.0874

Inverse Universe

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



28.1777, 35.0367, 68.2281



38.1189, 46.8349, 101.6387



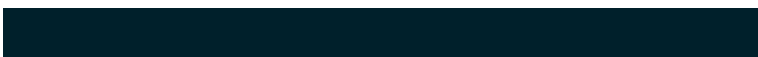
17.2753, 13.2320, 64.5939



12.5120, 13.5474, 15.8930



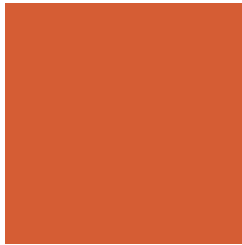
14.9690, 18.1999, 41.1771



0.9674, 1.2267, 2.5051

Previews

White Background



This preview shows how the XYZ color 31.9748, 22.2228, 5.8530 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 31.9748, 22.2228, 5.8530 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 31.9748, 22.2228, 5.8530

Background



This preview shows how black text looks on a background with the XYZ color 31.9748, 22.2228, 5.8530.



This preview shows how white text looks on a background with the XYZ color 31.9748, 22.2228,

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

31.9748, 22.2228, 5.8530

Protanopia

20.3814, 22.2534, 7.9238

Deuteranopia

22.7665, 22.3837, 5.5034



Tritanopia

33.5344, 22.2347, 13.1139

Trichromacy



Original Color

31.9748, 22.2228, 5.8530

Protanomaly

23.5129, 21.4734, 7.0432

Deuteranomaly

25.4743, 21.8392, 5.5621

Tritanomaly

32.7990, 22.1730, 9.9483

Monochromacy



Original Color

31.9748, 22.2228, 5.8530

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.8200, 19.7600, 14.2193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9748, 22.2228, 5.8530 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(213, 93, 52)` looks like.

```
.text, #text, p{  
    color:rgb(213, 93, 52)  
}
```

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(213, 93, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 93, 52) }
```

Border

The CSS property to change the border of an element to XYZ 31.9748, 22.2228, 5.8530 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(213, 93, 52) }
```


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

```
.border{ border-color:rgb(213, 93, 52) }
```

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

Here you see how a box with a 4 pixel rgb(213, 93, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 93, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 93, 52);  
box-shadow:4px 4px 4px 4px rgb(213, 93,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9748, 22.2228, 5.8530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 93, 52) }
```

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

```
.background{ background-color: rgb(213, 93,  
52) }
```

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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