

Converting Colors

XYZ(31.4452, 22.2236, 4.0525)

Have a look what the booklet for
XYZ(31.4452, 22.2236, 4.0525)
contains.

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Color

**XYZ(31.5181, 22.2913,
4.0803)**

Conversions

Conversions Part 1

Format	Color
Hex	D45F21
RGB	212, 95, 33
RGB Percent	83%, 37%, 13%
CMY	0.1686, 0.6274, 0.8706
CMYK	0.00, 0.55, 0.84, 0.17
HSL	21°, 73%, 48%
HSV	21°, 84%, 83%
XYZ	31.5181, 22.2913, 4.0803
YIQ	122.9150, 89.6340, 5.5220

Conversions

Conversions Part 2

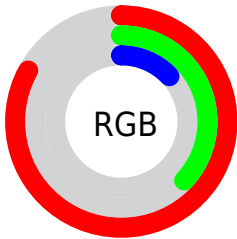
Format	Color
R_{YB}	212, 128, 33
Decimal	13917985
CIE _{Lab}	54.33, 42.91, 54.34
CIE _{LCh}	54, 69.241, 51.700
Yxy	22.2913, 0.5445, 0.3851
Android (android.graphics.Color)	4292108065 (0xFFD45F21)
YUV	122.9150, -44.3281, 78.1275
Hunter-Lab	47.2137, 36.5361, 27.9256

Details

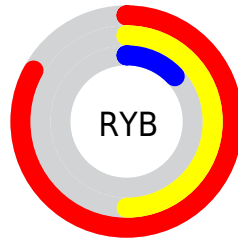
The XYZ color **31.5181, 22.2913, 4.0803** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **23.4162, 26.8874, 66.2425**, and the grayscale version is **18.9204, 19.9058, 21.6774**.

A 20% lighter version of the original color is **53.4301, 43.0799, 13.8867**, and **13.4416, 8.2118, 0.8766** is the 20% darker color. If you saturate the color by 10%, you get **30.1700, 19.9304, 2.5983**, and if you desaturate by 10%, it is **33.2759, 25.1734, 6.6201**.

Distribution



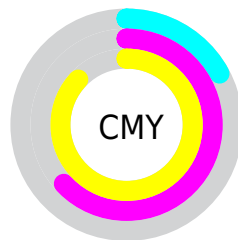
- Red (83%)
- Green (37%)
- Blue (13%)



- Red (83%)
- Yellow (50%)
- Blue (13%)



- Cyan (0%)
- Magenta (55%)
- Yellow (84%)
- Black (17%)





- Cyan (17%)
- Magenta (63%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5181, 22.2913, 4.0803 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 31.5181, 22.2913, 4.0803 by changing the saturation by 10% instead.


 31.5181, 22.2913,
4.0803


 31.5181, 22.2913,
4.0803


300.7026,
264.0638, 149.1138


 21.1474, 14.0711,
1.6695


 61.4252, 47.2270,
14.1945

 13.3449, 8.1701,
0.3397


 81.6923, 64.7113,
22.7351

 7.7451, 4.2040,
0.0000


 105.9889, 86.0523,
34.1559

 3.9827, 1.7883,
0.0000

 134.6805,
111.6346, 48.8756

 1.6924, 0.4799,
0.0000

 168.1322,
141.8425, 67.3127

 0.4515, 0.0000,
0.0000

 206.7096,

 0.0000, 0.0000,

177.0604, 89.8857

0.0000

250.7779,
217.6727, 117.0132

31.5181, 22.2913,
4.0803

31.5181, 22.2913,
4.0803

30.1700, 19.9304,
2.5983

33.2759, 25.1734,
6.6201

29.5626, 18.8197,
2.0745

35.4832, 28.6070,
10.3805

38.1758, 32.6236,
15.4971

41.3848, 37.2511,
22.0868

45.1386, 42.5153,
30.2539

■ 49.4631, 48.4404,
40.0932

■ 54.3827, 55.0492,
51.6917

■ 59.9201, 62.3635,
65.1304

■ 66.0967, 70.4039,
80.4855

Harmonies

Analogous

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



37.7401, 22.2913, 11.9159



31.5181, 22.2913, 4.0803



23.3526, 22.2913, 1.9979

Triad

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



31.5181, 22.2913, 4.0803



9.8242, 22.2913, 18.7511



27.0210, 22.2913, 87.0177

Complementary

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



31.5181, 22.2913, 4.0803



23.4162, 26.8874, 66.2425

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.



19.1600, 22.2913, 93.0332



31.5181, 22.2913, 4.0803



10.3589, 22.2913, 43.1180

Square

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



31.5181, 22.2913, 4.0803



11.7146, 22.2913, 6.5469



13.4035, 22.2913, 73.7030



34.7438, 22.2913, 60.2330

Rectangle

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



31.5181, 22.2913, 4.0803



18.3775, 22.2913, 2.0800



13.4035, 22.2913, 73.7030



24.2696, 22.2913, 91.9878

Sweetspot

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



31.5186, 22.2925, 4.0807



74.5497, 72.7890, 59.5551



33.3899, 17.3627, 31.4407



15.4414, 14.8773, 11.5641



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.



31.5186, 22.2925, 4.0807



44.7572, 28.2943, 3.1024



44.1877, 47.6308, 8.3037



12.7715, 13.1173, 13.0195



18.3353, 11.7879, 1.3089



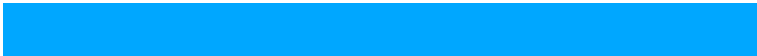
1.1821, 0.8633, 0.1043

Inverse Universe

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



23.4162, 26.8874, 66.2425



31.8077, 34.7354, 99.6359



14.2792, 8.6135, 63.1968



12.4132, 13.3499, 15.8601



13.0938, 14.4495, 40.5521



0.8657, 1.0234, 2.4712

Previews

White Background



This preview shows how the XYZ color 31.5181, 22.2913, 4.0803 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 31.5181, 22.2913, 4.0803 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 31.5181, 22.2913, 4.0803

Background



This preview shows how black text looks on a background with the XYZ color 31.5181, 22.2913, 4.0803.



This preview shows how white text looks on a background with the XYZ color 31.5181, 22.2913,

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

31.5181, 22.2913, 4.0803

Protanopia

20.3883, 22.5108, 5.4609

Deuteranopia

22.8339, 22.4583, 3.7037



Tritanopia

33.3695, 22.2671, 13.3657

Trichromacy



Original Color

31.5181, 22.2913, 4.0803

Protanomaly

23.4222, 21.6494, 4.8637

Deuteranomaly

25.3512, 21.8172, 3.6856

Tritanomaly

32.3514, 22.0962, 8.6908

Monochromacy



Original Color

31.5181, 22.2913, 4.0803

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.2682, 19.5170, 12.3191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5181, 22.2913, 4.0803 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(212, 95, 33)` looks like.

```
.text, #text, p{  
    color:rgb(212, 95, 33)  
}
```

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(212, 95, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 95, 33) }
```

Border

The CSS property to change the border of an element to XYZ 31.5181, 22.2913, 4.0803 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(212, 95, 33) }
```


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

```
.border{ border-color:rgb(212, 95, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 95, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 95, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 95, 33);  
box-shadow:4px 4px 4px 4px rgb(212, 95,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5181, 22.2913, 4.0803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 95, 33) }
```

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

```
.background{ background-color: rgb(212, 95,  
33) }
```

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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