

Converting Colors

XYZ(31.3315, 21.7888, 5.4415)

Have a look what the booklet for
XYZ(31.3315, 21.7888, 5.4415)
contains.

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Color

**XYZ(31.2455, 21.7249,
5.4522)**

Conversions

Conversions Part 1

Format	Color
Hex	D35C31
RGB	211, 92, 49
RGB Percent	83%, 36%, 19%
CMY	0.1726, 0.6392, 0.8078
CMYK	0.00, 0.56, 0.77, 0.17
HSL	16°, 65%, 51%
HSV	16°, 77%, 83%
XYZ	31.2455, 21.7249, 5.4522
YIQ	122.6790, 84.7270, 11.8550

Conversions

Conversions Part 2

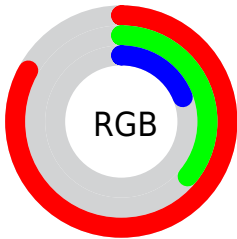
Format	Color
R _Y B	211, 108, 49
Decimal	13851697
CIE Lab	53.73, 44.50, 46.51
CIE LCh	54, 64.374, 46.266
Yxy	21.7249, 0.5348, 0.3719
Android (android.graphics.Color)	4292041777 (0xFFD35C31)
YUV	122.6790, -36.3237, 77.4575
Hunter-Lab	46.6100, 38.0919, 25.6915

Details

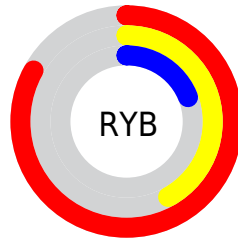
The XYZ color **31.2455, 21.7249, 5.4522** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **27.0259, 33.3589, 66.6422**, and the grayscale version is **18.8180, 19.7980, 21.5600**.

A 20% lighter version of the original color is **53.5700, 42.3926, 16.9144**, and **13.1199, 7.8406, 0.8219** is the 20% darker color. If you saturate the color by 10%, you get **29.6919, 19.1714, 3.2279**, and if you desaturate by 10%, it is **33.2831, 24.9134, 8.8656**.

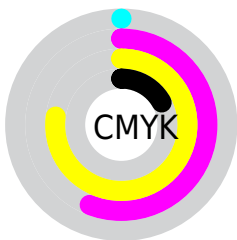
Distribution



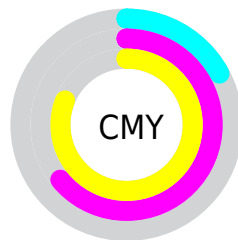
- Red (83%)
- Green (36%)
- Blue (19%)



- Red (83%)
- Yellow (42%)
- Blue (19%)



- Cyan (0%)
- Magenta (56%)
- Yellow (77%)
- Black (17%)





- Cyan (17%)
- Magenta (64%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2455, 21.7249, 5.4522 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 31.2455, 21.7249, 5.4522 by changing the saturation by 10% instead.


 31.2455, 21.7249,
5.4522


 31.2455, 21.7249,
5.4522


299.4745,
261.1063, 163.2100


 20.9386, 13.6549,
2.4516


 60.9996, 46.2909,
17.2404


 13.1913, 7.8810,
0.8143


 81.1775, 63.5557,
26.8652

 7.6383, 4.0189,
0.0000


 105.3765, 84.6542,
39.5350

 3.9143, 1.6842,
0.0000

 133.9618,
109.9708, 55.6685

 1.6537, 0.4134,
0.0000

 167.2990,
139.8899, 75.6842

 0.4271, 0.0000,
0.0000

 205.7532,

 0.0000, 0.0000,

174.7959, 100.0007

0.0000

249.6899,
215.0732, 129.0364

■ 31.2455, 21.7249,
5.4522

■ 31.2455, 21.7249,
5.4522

■ 29.6919, 19.1714,
3.2279

■ 33.2831, 24.9134,
8.8656

■ 28.5704, 17.2023,
2.0099

■ 35.8443, 28.7746,
13.6079

■ 28.2787, 16.6786,
1.7288

■ 38.9660, 33.3469,
19.8001

■ 42.6810, 38.6650,
27.5493

■ 47.0195, 44.7608,
36.9525

■ 52.0094, 51.6648,
48.0986

■ 57.6771, 59.4053,
61.0701

■ 64.0472, 68.0096,
75.9445

■ 71.1434, 77.5035,
92.7944

Harmonies

Analogous

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



36.1828, 21.7249, 14.5286



31.2455, 21.7249, 5.4522



23.9616, 21.7249, 2.6142

Triad

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



31.2455, 21.7249, 5.4522



10.2565, 21.7249, 15.7320



24.5923, 21.7249, 82.0894

Complementary

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



31.2455, 21.7249, 5.4522



27.0259, 33.3589, 66.6422

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.



17.6565, 21.7249, 83.0894



31.2455, 21.7249, 5.4522



10.3519, 21.7249, 35.9729

Square

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



31.2455, 21.7249, 5.4522



12.4696, 21.7249, 5.9107



12.7681, 21.7249, 63.0996



31.7950, 21.7249, 60.8439

Rectangle

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



31.2455, 21.7249, 5.4522



19.2345, 21.7249, 2.4212



12.7681, 21.7249, 63.0996



22.1310, 21.7249, 85.0911

Sweetspot

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



31.2460, 21.7261, 5.4526



74.7672, 72.3085, 62.4499



35.2653, 18.9668, 40.0809



15.4307, 14.6810, 12.0999



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.



31.2460, 21.7261, 5.4526



44.4387, 27.4496, 3.6368



41.8868, 43.0078, 8.9995



12.0604, 12.3114, 12.3527



17.1386, 10.2102, 1.0675



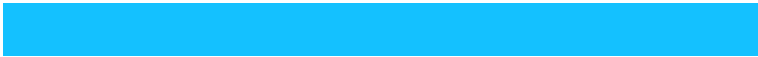
1.0242, 0.7028, 0.0817

Inverse Universe

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



27.0259, 33.3589, 66.6422



37.3548, 45.3892, 101.3999



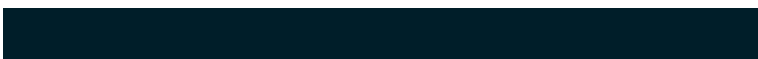
16.6387, 12.5845, 63.1798



11.8818, 12.8539, 15.0985



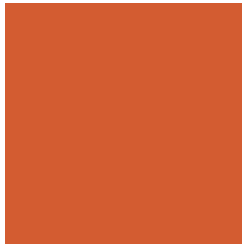
14.2561, 17.1588, 39.7531



0.8602, 1.0857, 2.2438

Previews

White Background



This preview shows how the XYZ color 31.2455, 21.7249, 5.4522 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 31.2455, 21.7249, 5.4522 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 31.2455, 21.7249, 5.4522

Background



This preview shows how black text looks on a background with the XYZ color 31.2455, 21.7249, 5.4522.



This preview shows how white text looks on a background with the XYZ color 31.2455, 21.7249,

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

31.2455, 21.7249, 5.4522

Protanopia

19.9936, 21.8664, 7.4418

Deuteranopia

22.2601, 21.7605, 5.1248



Tritanopia

32.8246, 21.7528, 12.8246

Trichromacy



Original Color

31.2455, 21.7249, 5.4522

Protanomaly

23.1076, 21.1011, 6.5964

Deuteranomaly

24.9615, 21.2540, 5.1697

Tritanomaly

32.0633, 21.6776, 9.5155

Monochromacy



Original Color

31.2455, 21.7249, 5.4522

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.4231, 19.4014, 13.6821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2455, 21.7249, 5.4522 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(211, 92, 49)` looks like.

```
.text, #text, p{  
    color:rgb(211, 92, 49)  
}
```

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(211, 92, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 92, 49) }
```

Border

The CSS property to change the border of an element to XYZ 31.2455, 21.7249, 5.4522 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(211, 92, 49) }
```


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

```
.border{ border-color:rgb(211, 92, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 92, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 92, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 92, 49);  
box-shadow:4px 4px 4px 4px rgb(211, 92,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2455, 21.7249, 5.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 92, 49) }
```

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

```
.background{ background-color: rgb(211, 92,  
49) }
```

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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