

Converting Colors

XYZ(31.8850, 21.8110, 5.8895)

Have a look what the booklet for
XYZ(31.8850, 21.8110, 5.8895)
contains.

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Color

**XYZ(31.7393, 21.7155,
5.8868)**

Conversions

Conversions Part 1

Format	Color
Hex	D55A35
RGB	213, 90, 53
RGB Percent	84%, 35%, 21%
CMY	0.1647, 0.6470, 0.7922
CMYK	0.00, 0.58, 0.75, 0.16
HSL	14°, 66%, 52%
HSV	14°, 75%, 84%
XYZ	31.7393, 21.7155, 5.8868
YIQ	122.5590, 85.1850, 14.5690

Conversions

Conversions Part 2

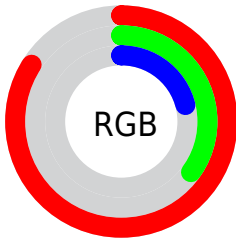
Format	Color
R _Y B	213, 101, 53
Decimal	13982261
CIE Lab	53.72, 46.35, 44.59
CIE LCh	54, 64.318, 43.887
Yxy	21.7155, 0.5349, 0.3659
Android (android.graphics.Color)	4292172341 (0xFFD55A35)
YUV	122.5590, -34.2926, 79.3168
Hunter-Lab	46.5999, 40.0270, 25.1300

Details

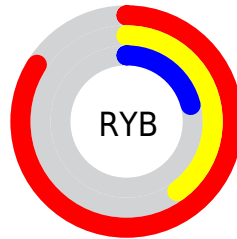
The XYZ color **31.7393, 21.7155, 5.8868** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.0022, 36.6086, 68.4878**, and the grayscale version is **18.7720, 19.7496, 21.5073**.

A 20% lighter version of the original color is **53.6115, 42.1658, 17.8836**, and **13.4208, 7.8520, 0.9518** is the 20% darker color. If you saturate the color by 10%, you get **30.1214, 19.0976, 3.4439**, and if you desaturate by 10%, it is **33.8799, 25.0313, 9.5777**.

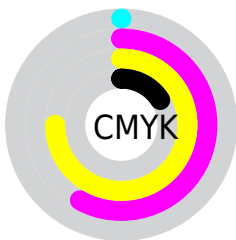
Distribution



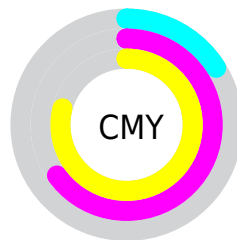
- Red (84%)
- Green (35%)
- Blue (21%)



- Red (84%)
- Yellow (40%)
- Blue (21%)



- Cyan (0%)
- Magenta (58%)
- Yellow (75%)
- Black (16%)





- Cyan (16%)
- Magenta (65%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7393, 21.7155, 5.8868 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 31.7393, 21.7155, 5.8868 by changing the saturation by 10% instead.


 31.7393, 21.7155,
5.8868


 31.7393, 21.7155,
5.8868


301.6964,
261.0569, 167.3274


 21.3170, 13.6480,
2.7087


 61.7701, 46.2753,
18.1691


 13.4697, 7.8763,
0.9478


 82.1094, 63.5365,
28.1103

 7.8320, 4.0159,
0.0000


 106.4850, 84.6309,
41.1430

 4.0385, 1.6824,
0.0000

 135.2624,
109.9431, 57.6858

 1.7240, 0.4123,
0.0000

 168.8069,
139.8574, 78.1570

 0.4712, 0.0000,
0.0000

 207.4838,

 0.0000, 0.0000,

174.7582, 102.9753

0.0000

251.6585,
215.0299, 132.5593

■ 31.7393, 21.7155,
5.8868

■ 31.7393, 21.7155,
5.8868

■ 30.1214, 19.0976,
3.4439

■ 33.8799, 25.0313,
9.5777

■ 28.9734, 17.1210,
2.0763

■ 36.5859, 29.0883,
14.6565

■ 28.5498, 16.3649,
1.6540

■ 39.8965, 33.9303,
21.2455

■ 43.8473, 39.5967,
29.4529

■ 48.4706, 46.1240,
39.3773

■ 53.7966, 53.5465,
51.1090

■ 59.8537, 61.8967,
64.7321

■ 66.6687, 71.2054,
80.3256

■ 74.2669, 81.5020,
97.9637

Harmonies

Analogous

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



36.3620, 21.7155, 15.6554



31.7393, 21.7155, 5.8868



24.5404, 21.7155, 2.7140

Triad

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



31.7393, 21.7155, 5.8868



10.3471, 21.7155, 14.5983



23.9866, 21.7155, 82.9355

Complementary

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



31.7393, 21.7155, 5.8868



29.0022, 36.6086, 68.4878

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.



17.1763, 21.7155, 82.0577



31.7393, 21.7155, 5.8868



10.2632, 21.7155, 33.9729

Square

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



31.7393, 21.7155, 5.8868



12.7489, 21.7155, 5.4838



12.4867, 21.7155, 60.9188



31.2568, 21.7155, 62.8992

Rectangle

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



31.7393, 21.7155, 5.8868



19.7546, 21.7155, 2.3958



12.4867, 21.7155, 60.9188



21.5513, 21.7155, 85.3173

Sweetspot

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



31.7398, 21.7167, 5.8872



74.2694, 71.3129, 62.2840



36.7828, 19.9201, 44.2012



15.3128, 14.4451, 12.0605



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.



31.7398, 21.7167, 5.8872



44.1869, 26.8643, 3.8047



42.0241, 42.2853, 9.3153



12.6540, 12.8823, 12.9803



17.5045, 10.1263, 1.0320



1.1198, 0.7389, 0.0836

Inverse Universe

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



29.0022, 36.6086, 68.4878



39.5646, 49.6355, 102.1031



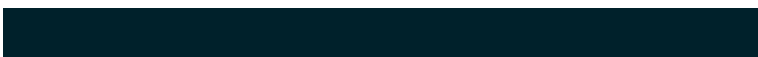
17.8774, 14.3589, 64.7796



12.5374, 13.5981, 15.9014



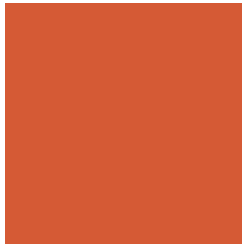
15.4975, 19.2568, 41.3533



0.9954, 1.2827, 2.5144

Previews

White Background



This preview shows how the XYZ color 31.7393, 21.7155, 5.8868 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 31.7393, 21.7155, 5.8868 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 31.7393, 21.7155, 5.8868

Background



This preview shows how black text looks on a background with the XYZ color 31.7393, 21.7155, 5.8868.



This preview shows how white text looks on a background with the XYZ color 31.7393, 21.7155,

5.8868.

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

31.7393, 21.7155, 5.8868

Protanopia

19.9597, 21.8330, 8.1632

Deuteranopia

22.1311, 21.6856, 5.5019



Tritanopia

33.2404, 21.8580, 12.3646

Trichromacy



Original Color

31.7393, 21.7155, 5.8868

Protanomaly

23.1215, 20.9232, 7.2348

Deuteranomaly

24.9318, 21.0686, 5.5489

Tritanomaly

32.4793, 21.6484, 9.4879

Monochromacy



Original Color

31.7393, 21.7155, 5.8868

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.5993, 19.3186, 14.1457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7393, 21.7155, 5.8868 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, 90, 53)` looks like.

```
.text, #text, p{  
    color:rgb(213, 90, 53)  
}
```

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, 90, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 90, 53) }
```

Border

The CSS property to change the border of an element to XYZ 31.7393, 21.7155, 5.8868 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, 90, 53) }
```


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

```
.border{ border-color:rgb(213, 90, 53) }
```

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

Here you see how a box with a 4 pixel rgb(213, 90, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 90, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 90, 53);  
box-shadow:4px 4px 4px 4px rgb(213, 90,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7393, 21.7155, 5.8868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 90, 53) }
```

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

```
.background{ background-color: rgb(213, 90,  
53) }
```

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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