

Converting Colors

XYZ(31.1091, 21.5973, 4.9100)

Have a look what the booklet for
XYZ(31.1091, 21.5973, 4.9100)
contains.

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Color

**XYZ(31.0597, 21.5129,
4.8983)**

Conversions

Conversions Part 1

Format	Color
Hex	D35B2C
RGB	211, 91, 44
RGB Percent	83%, 36%, 17%
CMY	0.1726, 0.6431, 0.8274
CMYK	0.00, 0.57, 0.79, 0.17
HSL	17°, 65%, 50%
HSV	17°, 79%, 83%
XYZ	31.0597, 21.5129, 4.8983
YIQ	121.5220, 86.6070, 10.8230

Conversions

Conversions Part 2

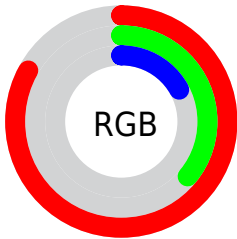
Format	Color
RYB	211, 109, 44
Decimal	13851436
CIELab	53.51, 44.80, 48.71
CIElCh	54, 66.176, 47.394
Yxy	21.5129, 0.5404, 0.3743
Android (android.graphics.Color)	4292041516 (0xFFD35B2C)
YUV	121.5220, -38.2183, 78.4722
Hunter-Lab	46.3820, 38.3640, 26.2059

Details

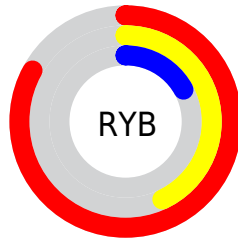
The XYZ color **31.0597, 21.5129, 4.8983** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **26.0710, 31.7874, 66.3891**, and the grayscale version is **18.4444, 19.4050, 21.1320**.

A 20% lighter version of the original color is **53.1890, 41.9968, 15.6588**, and **13.0875, 7.7758, 0.8111** is the 20% darker color. If you saturate the color by 10%, you get **29.5914, 19.0580, 2.9244**, and if you desaturate by 10%, it is **32.9923, 24.5744, 8.0210**.

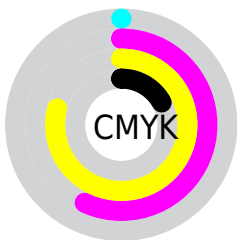
Distribution



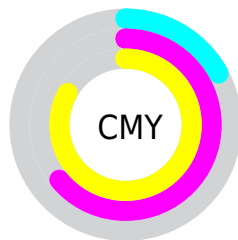
- Red (83%)
- Green (36%)
- Blue (17%)



- Red (83%)
- Yellow (43%)
- Blue (17%)



- Cyan (0%)
- Magenta (57%)
- Yellow (79%)
- Black (17%)





- Cyan (17%)
- Magenta (64%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0597, 21.5129, 4.8983 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 31.0597, 21.5129, 4.8983 by changing the saturation by 10% instead.

 31.0597, 21.5129,
4.8983


 31.0597, 21.5129,
4.8983


298.6352,
259.9919, 157.7404


 20.7964, 13.4994,
2.1300


 60.7093, 45.9396,
16.0336

 13.0868, 7.7733,
0.6336


 80.8262, 63.1216,
25.2377


 7.5658, 3.9503,
0.0000


 104.9583, 84.1286,
37.4241

 3.8678, 1.6458,
0.0000

 133.4711,
109.3449, 53.0114

 1.6276, 0.3882,
0.0000

 166.7298,
139.1550, 72.4182

 0.4103, 0.0000,
0.0000

 205.0998,

 0.0000, 0.0000,

173.9433, 96.0629

0.0000

248.9465,
214.0941, 124.3641

■ 31.0597, 21.5129,
4.8983

■ 31.0597, 21.5129,
4.8983

■ 29.5914, 19.0580,
2.9244

■ 32.9923, 24.5744,
8.0210

■ 28.5257, 17.1568,
1.8599

■ 35.4291, 28.2788,
12.4379

■ 28.4479, 17.0171,
1.7852

■ 38.4069, 32.6634,
18.2737

■ 41.9582, 37.7612,
25.6382

■ 46.1130, 43.6033,
34.6301

■ 50.8989, 50.2186,
45.3398

■ 56.3417, 57.6345,
57.8510

■ 62.4660, 65.8771,
72.2420

■ 69.2947, 74.9711,
88.5864

Harmonies

Analogous

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



36.2943, 21.5129, 13.6331



31.0597, 21.5129, 4.8983



23.5493, 21.5129, 2.2964

Triad

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



31.0597, 21.5129, 4.8983



9.8700, 21.5129, 15.9345



24.7712, 21.5129, 83.3957

Complementary

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



31.0597, 21.5129, 4.8983



26.0710, 31.7874, 66.3891

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.



17.6305, 21.5129, 85.3673



31.0597, 21.5129, 4.8983



10.0513, 21.5129, 37.0446

Square

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



31.0597, 21.5129, 4.8983



12.0080, 21.5129, 5.7511



12.5781, 21.5129, 65.1667



32.1294, 21.5129, 60.7367

Rectangle

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



31.0597, 21.5129, 4.8983



18.7527, 21.5129, 2.1685



12.5781, 21.5129, 65.1667



22.2411, 21.5129, 86.8267

Sweetspot

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



31.0602, 21.5141, 4.8987



74.2559, 71.7476, 60.8562



34.6904, 18.4206, 38.0284



15.3421, 14.5919, 11.7983



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.



31.0602, 21.5141, 4.8987



44.2488, 27.1639, 3.2834



42.0773, 43.5484, 8.5710



12.0758, 12.3423, 12.3579



17.2439, 10.4207, 1.1025



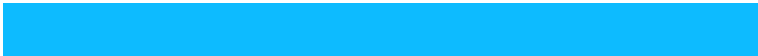
1.0318, 0.7179, 0.0842

Inverse Universe

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



26.0710, 31.7874, 66.3891



35.9430, 42.7650, 100.9678



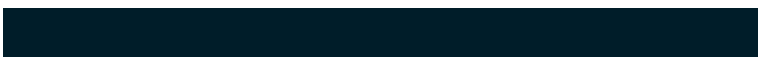
15.8874, 11.4203, 62.9946



11.8654, 12.8211, 15.0930



13.9245, 16.4956, 39.6426



0.8439, 1.0530, 2.2383

Previews

White Background



This preview shows how the XYZ color 31.0597, 21.5129, 4.8983 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 31.0597, 21.5129, 4.8983 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 31.0597, 21.5129, 4.8983

Background



This preview shows how black text looks on a background with the XYZ color 31.0597, 21.5129, 4.8983.



This preview shows how white text looks on a background with the XYZ color 31.0597, 21.5129,

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

31.0597, 21.5129, 4.8983

Protanopia

19.8438, 21.8065, 6.6532

Deuteranopia

21.9462, 21.6116, 4.5281



Tritanopia

32.6567, 21.5570, 12.3373

Trichromacy



Original Color

31.0597, 21.5129, 4.8983

Protanomaly

22.8549, 20.8166, 5.8310

Deuteranomaly

24.6247, 21.0925, 4.6071

Tritanomaly

31.8771, 21.4709, 8.9428

Monochromacy



Original Color

31.0597, 21.5129, 4.8983

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.0312, 19.0471, 13.1577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0597, 21.5129, 4.8983 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, 91, 44)` looks like.

```
.text, #text, p{  
    color:rgb(211, 91, 44)  
}
```

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, 91, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 91, 44) }
```

Border

The CSS property to change the border of an element to XYZ 31.0597, 21.5129, 4.8983 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, 91, 44) }
```


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

```
.border{ border-color:rgb(211, 91, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 91, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 91, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 91, 44);  
box-shadow:4px 4px 4px 4px rgb(211, 91,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0597, 21.5129, 4.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 91, 44) }
```

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

```
.background{ background-color: rgb(211, 91,  
44) }
```

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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