

Converting Colors

XYZ(30.9466, 21.1546, 4.6709)

Have a look what the booklet for
XYZ(30.9466, 21.1546, 4.6709)
contains.

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Color

**XYZ(30.8543, 21.1608,
4.6487)**

Conversions

Conversions Part 1

Format	Color
Hex	D3592A
RGB	211, 89, 42
RGB Percent	83%, 35%, 16%
CMY	0.1726, 0.6510, 0.8353
CMYK	0.00, 0.58, 0.80, 0.17
HSL	17°, 67%, 50%
HSV	17°, 80%, 83%
XYZ	30.8543, 21.1608, 4.6487
YIQ	120.1200, 87.7990, 11.2470

Conversions

Conversions Part 2

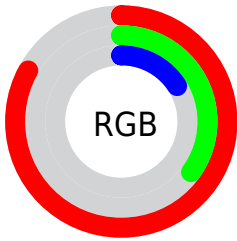
Format	Color
R_{YB}	211, 107, 42
Decimal	13850922
CIE Lab	53.13, 45.68, 49.28
CIE LCh	53, 67.195, 47.170
Yxy	21.1608, 0.5445, 0.3734
Android (android.graphics.Color)	4292041002 (0xFFD3592A)
YUV	120.1200, -38.5132, 79.7018
Hunter-Lab	46.0009, 39.2243, 26.2090

Details

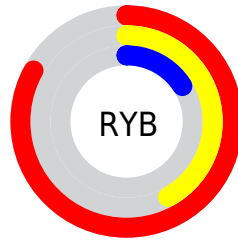
The XYZ color **30.8543, 21.1608, 4.6487** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **25.9870, 31.7439, 66.3852**, and the grayscale version is **17.9916, 18.9285, 20.6132**.

A 20% lighter version of the original color is **52.8013, 41.3613, 15.0981**, and **12.9955, 7.5916, 0.7804** is the 20% darker color. If you saturate the color by 10%, you get **29.4321, 18.7703, 2.7765**, and if you desaturate by 10%, it is **32.7382, 24.1576, 7.6548**.

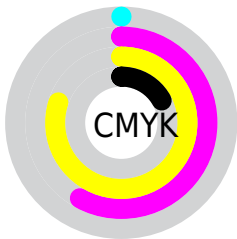
Distribution



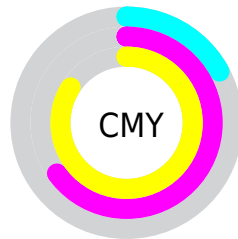
- Red (83%)
- Green (35%)
- Blue (16%)



- Red (83%)
- Yellow (42%)
- Blue (16%)



- Cyan (0%)
- Magenta (58%)
- Yellow (80%)
- Black (17%)





- Cyan (17%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8543, 21.1608, 4.6487 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 30.8543, 21.1608, 4.6487 by changing the saturation by 10% instead.


 30.8543, 21.1608,
4.6487

 30.8543, 21.1608,
4.6487


297.7054,
258.1318, 155.1837


 20.6392, 13.2416,
1.9876


 60.3880, 45.3550,
15.4802


 12.9715, 7.5951,
0.5476


 80.4373, 62.3988,
24.4876


 7.4858, 3.8370,
0.0000


 104.4955, 83.2529,
36.4476

 3.8167, 1.5828,
0.0000

 132.9277,
108.3017, 51.7785

 1.5990, 0.3460,
0.0000

 166.0995,
137.9296, 70.8991

 0.3917, 0.0000,
0.0000

 204.3761,

 0.0000, 0.0000,

172.5210, 94.2278

0.0000

248.1230,
212.4603, 122.1832

■ 30.8543, 21.1608,
4.6487

■ 30.8543, 21.1608,
4.6487

■ 29.4321, 18.7703,
2.7765

■ 32.7382, 24.1576,
7.6548

■ 28.4118, 16.9448,
1.7732

■ 35.1248, 27.7978,
11.9431

■ 38.0514, 32.1195,
17.6400

■ 41.5511, 37.1565,
24.8565

■ 45.6542, 42.9402,
33.6924

■ 50.3887, 49.5002,
44.2387

■ 55.7809, 56.8643,
56.5799

■ 61.8553, 65.0590,
70.7947

■ 68.6353, 74.1095,
86.9571

Harmonies

Analogous

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



36.1165, 21.1608, 13.3444



30.8543, 21.1608, 4.6487



23.2882, 21.1608, 2.1033

Triad

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



30.8543, 21.1608, 4.6487



9.5484, 21.1608, 15.4249



24.4032, 21.1608, 83.9341

Complementary

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



30.8543, 21.1608, 4.6487



25.9870, 31.7439, 66.3852

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.



17.2398, 21.1608, 85.7557



30.8543, 21.1608, 4.6487



9.7117, 21.1608, 36.5664

Square

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



30.8543, 21.1608, 4.6487



11.6927, 21.1608, 5.4042



12.2077, 21.1608, 65.0676



31.8338, 21.1608, 60.9863

Rectangle

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



30.8543, 21.1608, 4.6487



18.4616, 21.1608, 1.9707



12.2077, 21.1608, 65.0676



21.8594, 21.1608, 87.3705

Sweetspot

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



30.8548, 21.1620, 4.6490



74.2054, 71.6465, 60.8394



34.5686, 18.2556, 37.7460



15.3302, 14.5681, 11.7944



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.



30.8548, 21.1620, 4.6490



44.0409, 26.7725, 3.1393



41.9519, 43.3563, 8.3481



12.0726, 12.3359, 12.3568



17.2214, 10.3758, 1.0951



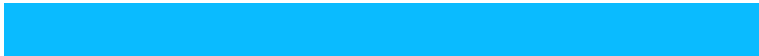
1.0302, 0.7147, 0.0837

Inverse Universe

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



25.9870, 31.7439, 66.3852



35.9289, 42.7882, 100.9730



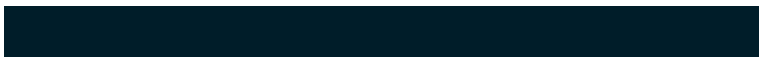
15.6875, 11.1450, 62.9521



11.8688, 12.8279, 15.0941



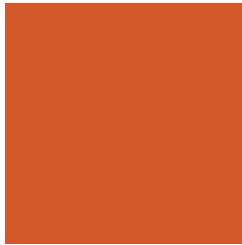
13.9927, 16.6320, 39.6653



0.8473, 1.0597, 2.2395

Previews

White Background



This preview shows how the XYZ color 30.8543, 21.1608, 4.6487 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 30.8543, 21.1608, 4.6487 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 30.8543, 21.1608, 4.6487

Background



This preview shows how black text looks on a background with the XYZ color 30.8543, 21.1608, 4.6487.



This preview shows how white text looks on a background with the XYZ color 30.8543, 21.1608,

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

30.8543, 21.1608, 4.6487

Protanopia

19.5171, 21.4462, 6.4790

Deuteranopia

21.5953, 21.2526, 4.3305



Tritanopia

32.4141, 21.2081, 11.8363

Trichromacy



Original Color

30.8543, 21.1608, 4.6487

Protanomaly

22.5080, 20.4719, 5.6709

Deuteranomaly

24.3775, 20.6484, 4.3698

Tritanomaly

31.6489, 21.1205, 8.5395

Monochromacy



Original Color

30.8543, 21.1608, 4.6487

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.5373, 18.4823, 12.6102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8543, 21.1608, 4.6487 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, 89, 42)` looks like.

```
.text, #text, p{  
    color:rgb(211, 89, 42)  
}
```

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, 89, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 89, 42) }
```

Border

The CSS property to change the border of an element to XYZ 30.8543, 21.1608, 4.6487 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, 89, 42) }
```


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

```
.border{ border-color:rgb(211, 89, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 89, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 89, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 89, 42);  
box-shadow:4px 4px 4px 4px rgb(211, 89,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8543, 21.1608, 4.6487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 89, 42) }
```

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

```
.background{ background-color: rgb(211, 89,  
42) }
```

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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