

Converting Colors

XYZ(30.4921, 17.2164, 2.0538)

Have a look what the booklet for
XYZ(30.4921, 17.2164, 2.0538)
contains.

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Color

**XYZ(30.5981, 17.2752,
2.0696)**

Conversions

Conversions Part 1

Format	Color
Hex	DC2F0C
RGB	220, 47, 12
RGB Percent	86%, 18%, 5%
CMY	0.1373, 0.8156, 0.9529
CMYK	0.00, 0.79, 0.95, 0.14
HSL	10°, 90%, 45%
HSV	10°, 95%, 86%
XYZ	30.5981, 17.2752, 2.0696
YIQ	94.7370, 114.3430, 25.7910

Conversions

Conversions Part 2

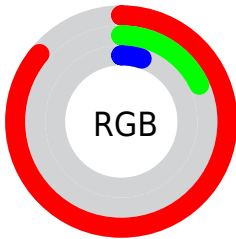
Format	Color
R_{YB}	220, 54, 12
Decimal	14429964
CIE Lab	48.60, 64.21, 58.01
CIE LCh	49, 86.536, 42.097
Yxy	17.2752, 0.6127, 0.3459
Android (android.graphics.Color)	4292620044 (0xFFDC2F0C)
YUV	94.7370, -40.7893, 109.8557
Hunter-Lab	41.5634, 58.6718, 26.1421

Details

The XYZ color **30.5981, 17.2752, 2.0696** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.4162, 39.9382, 73.8154**, and the grayscale version is **10.8911, 11.4583, 12.4781**.

A 20% lighter version of the original color is **47.5280, 32.3553, 8.5907**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **30.1776, 16.5407, 1.6021**, and if you desaturate by 10%, it is **31.7120, 19.1475, 3.5380**.

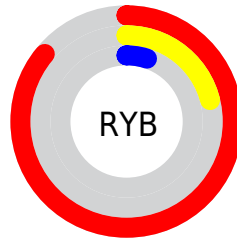
Distribution



Red (86%)

Green (18%)

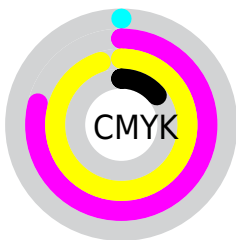
Blue (5%)



Red (86%)

Yellow (21%)

Blue (5%)

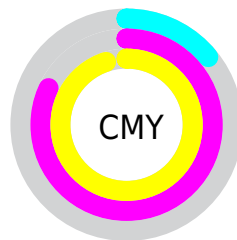


Cyan (0%)

Magenta (79%)

Yellow (95%)

Black (14%)



Cyan (14%)


Magenta (82%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5981, 17.2752, 2.0696 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 30.5981, 17.2752, 2.0696 by changing the saturation by 10% instead.

 30.5981, 17.2752,
2.0696


 30.5981, 17.2752,
2.0696


296.5425,
236.7533, 123.4483


 20.4433, 10.4309,
0.5976


 59.9869, 38.7983,
9.2302


 12.8278, 5.6856,
0.0000

 79.9517, 54.2460,
15.8004


 7.3863, 2.6549,
0.0000


 103.9171, 73.3301,
24.9220

 3.7533, 0.9543,
0.0000

 132.2487, 96.4353,
37.0133

 1.5635, 0.0000,
0.0000

 165.3116,
123.9458, 52.4931


 0.3685, 0.0000,
0.0000


 203.4713,


 0.0000, 0.0000,


156.2460, 71.7799


0.0000


 247.0932,
193.7204, 95.2921

 30.5981, 17.2752,
2.0696


 30.5981, 17.2752,
2.0696


 30.1776, 16.5407,
1.6021

 31.7120, 19.1475,
3.5380

 33.3688, 21.7810,
6.1871

 35.6322, 25.2496,
10.2038

 38.5561, 29.6171,
15.7417

 42.1881, 34.9409,
22.9338

■ 46.5715, 41.2738,
31.8985

■ 51.7459, 48.6643,
42.7433

■ 57.7482, 57.1582,
55.5671

■ 64.6129, 66.7984,
70.4620

Harmonies

Analogous

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



36.3956, 17.2752, 11.0370



30.5981, 17.2752, 2.0696



21.5889, 17.2752, 0.1018

Triad

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



30.5981, 17.2752, 2.0696



5.7361, 17.2752, 8.2956



19.8410, 17.2752, 102.4830

Complementary

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



30.5981, 17.2752, 2.0696



30.4162, 39.9382, 73.8154

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.



12.1492, 17.2752, 98.9656



30.5981, 17.2752, 2.0696



5.5394, 17.2752, 29.5741

Square

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



30.5981, 17.2752, 2.0696



8.1470, 17.2752, 1.4291



7.4791, 17.2752, 66.1629



28.9678, 17.2752, 73.6937

Rectangle

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



30.5981, 17.2752, 2.0696



15.8658, 17.2752, 0.0000



7.4791, 17.2752, 66.1629



16.9861, 17.2752, 105.4342

Sweetspot

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



30.5985, 17.2763, 2.0698



69.5039, 64.0120, 53.8202



38.4387, 18.9954, 47.7241



14.2126, 12.7518, 10.1306



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.



30.5985, 17.2763, 2.0698



42.1011, 22.9822, 2.2170



40.5945, 37.2683, 5.4019



13.2323, 13.4039, 13.6154



17.7662, 9.8179, 0.9587



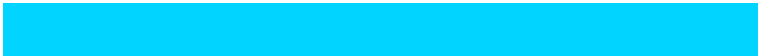
1.2061, 0.7462, 0.0805

Inverse Universe

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



30.4162, 39.9382, 73.8154



41.6126, 54.3451, 102.9042



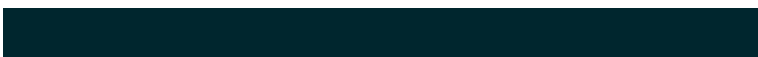
16.0372, 11.1802, 69.0224



13.2486, 14.4370, 16.7405



17.5870, 23.0434, 43.2593



1.1899, 1.5938, 2.8194

Previews

White Background



This preview shows how the XYZ color 30.5981, 17.2752, 2.0696 looks on a white 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

Black Background



This preview shows how the XYZ color 30.5981, 17.2752, 2.0696 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5981, 17.2752, 2.0696

Background



This preview shows how black text looks on a background with the XYZ color 30.5981, 17.2752, 2.0696.



This preview shows how white text looks on a background with the XYZ color 30.5981, 17.2752,

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

30.5981, 17.2752, 2.0696

Protanopia

15.9557, 17.6416, 3.7925

Deuteranopia

17.6086, 17.3549, 2.4218



Tritanopia

30.8705, 17.1989, 4.0755

Trichromacy



Original Color

30.5981, 17.2752, 2.0696

Protanomaly

19.0861, 15.5027, 2.7970

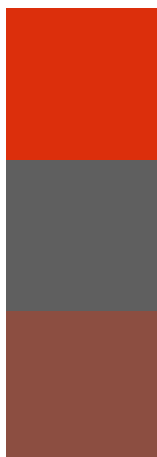
Deuteranomaly

20.8857, 15.8238, 2.0684

Tritanomaly

30.7143, 17.1967, 3.0670

Monochromacy



Original Color

30.5981, 17.2752, 2.0696

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.4937, 11.4059, 6.4387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5981, 17.2752, 2.0696 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(220, 47, 12)` looks like.

```
.text, #text, p{  
    color:rgb(220, 47, 12)  
}
```

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(220, 47, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 47, 12) }
```

Border

The CSS property to change the border of an element to XYZ 30.5981, 17.2752, 2.0696 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(220, 47, 12) }
```


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

```
.border{ border-color:rgb(220, 47, 12) }
```

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

Here you see how a box with a 4 pixel rgb(220, 47, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 47, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 47, 12);  
box-shadow:4px 4px 4px 4px rgb(220, 47,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5981, 17.2752, 2.0696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 47, 12) }
```

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

```
.background{ background-color: rgb(220, 47,  
12) }
```

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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