

Converting Colors

XYZ(30.1645, 17.4658, 3.3700)

Have a look what the booklet for
XYZ(30.1645, 17.4658, 3.3700)
contains.

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Color

**XYZ(30.2378, 17.5114,
3.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	D93623
RGB	217, 54, 35
RGB Percent	85%, 21%, 14%
CMY	0.1490, 0.7882, 0.8627
CMYK	0.00, 0.75, 0.84, 0.15
HSL	6°, 72%, 49%
HSV	6°, 84%, 85%
XYZ	30.2378, 17.5114, 3.3764
YIQ	100.5710, 103.2470, 28.6470

Conversions

Conversions Part 2

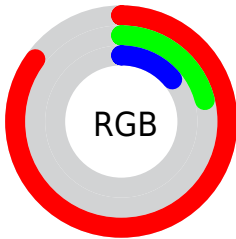
Format	Color
RYB	217, 56, 35
Decimal	14235171
CIELab	48.90, 61.60, 49.06
CIELCh	49, 78.746, 38.536
Yxy	17.5114, 0.5914, 0.3425
Android (android.graphics.Color)	4292425251 (0xFFD93623)
YUV	100.5710, -32.3265, 102.1082
Hunter-Lab	41.8466, 55.7501, 24.5088

Details

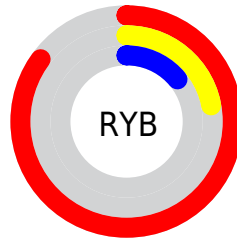
The XYZ color **30.2378, 17.5114, 3.3764** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **33.4085, 45.7493, 72.7148**, and the grayscale version is **12.3224, 12.9641, 14.1179**.

A 20% lighter version of the original color is **48.7065, 33.6948, 12.1202**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.2784, 15.9589, 1.9282**, and if you desaturate by 10%, it is **31.7580, 19.8679, 5.9929**.

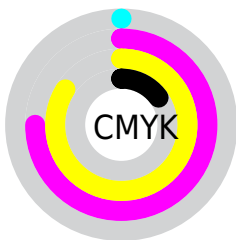
Distribution



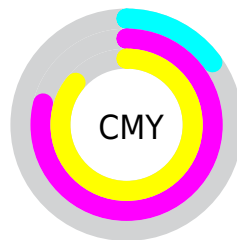
- Red (85%)
- Green (21%)
- Blue (14%)



- Red (85%)
- Yellow (22%)
- Blue (14%)



- Cyan (0%)
- Magenta (75%)
- Yellow (84%)
- Black (15%)





- Cyan (15%)
- Magenta (79%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2378, 17.5114, 3.3764 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 30.2378, 17.5114, 3.3764 by changing the saturation by 10% instead.

 30.2378, 17.5114,
3.3764


 30.2378, 17.5114,
3.3764


294.9013,
238.1024, 141.0191


 20.1681, 10.5998,
1.2899


 59.4221, 39.2030,
12.5439


 12.6263, 5.7984,
0.0535


 79.2674, 54.7517,
20.4620


 7.2469, 2.7229,
0.0000


 103.1020, 73.9483,
31.1610

 3.6647, 0.9888,
0.0000

 131.2912, 97.1771,
45.0595

 1.5143, 0.0000,
0.0000

 164.2004,
124.8225, 62.5760

 0.3355, 0.0000,
0.0000

 202.1949,

 0.0000, 0.0000,

157.2690, 84.1291

0.0000

245.6401,
194.9008, 110.1372

30.2378, 17.5114,
3.3764

30.2378, 17.5114,
3.3764

29.2784, 15.9589,
1.9282

31.7580, 19.8679,
5.9929

28.9149, 15.3513,
1.4391

33.9083, 23.1149,
9.9577

36.7488, 27.3309,
15.4206

40.3322, 32.5852,
22.5113

44.7062, 38.9405,
31.3457

■ 49.9144, 46.4546,
42.0287

■ 55.9970, 55.1812,
54.6572

■ 62.9919, 65.1707,
69.3213

■ 70.9346, 76.4706,
86.1055

Harmonies

Analogous

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



34.7733, 17.5114, 13.6942



30.2378, 17.5114, 3.3764



22.3355, 17.5114, 0.7706

Triad

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



30.2378, 17.5114, 3.3764



6.6905, 17.5114, 7.8043



18.8188, 17.5114, 93.0106

Complementary

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



30.2378, 17.5114, 3.3764



33.4085, 45.7493, 72.7148

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.



12.0123, 17.5114, 86.4248



30.2378, 17.5114, 3.3764



6.2542, 17.5114, 25.6879

Square

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



30.2378, 17.5114, 3.3764



9.3330, 17.5114, 1.7317



7.8925, 17.5114, 56.7495



27.0267, 17.5114, 71.0709

Rectangle

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



30.2378, 17.5114, 3.3764



17.0058, 17.5114, 0.3906



7.8925, 17.5114, 56.7495



16.2875, 17.5114, 94.2609

Sweetspot

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



30.2382, 17.5125, 3.3767



70.8449, 65.3794, 58.3201



39.5016, 20.0679, 55.7023



14.5767, 13.1479, 11.2759



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.



30.2382, 17.5125, 3.3767



41.6237, 22.0274, 2.0579



38.9220, 34.8800, 6.2713



13.1650, 13.2693, 13.5929



17.5403, 9.3662, 0.8834



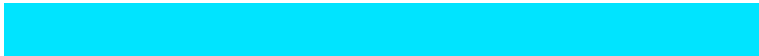
1.1743, 0.6826, 0.0699

Inverse Universe

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



33.4085, 45.7493, 72.7148



45.8930, 62.9061, 104.3310



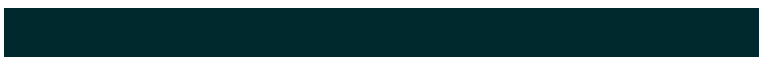
18.5589, 16.0500, 67.7649



13.3226, 14.5850, 16.7651



19.3506, 26.5706, 43.8472



1.2878, 1.7896, 2.8520

Previews

White Background



This preview shows how the XYZ color 30.2378, 17.5114, 3.3764 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 30.2378, 17.5114, 3.3764 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 30.2378, 17.5114, 3.3764

Background



This preview shows how black text looks on a background with the XYZ color 30.2378, 17.5114, 3.3764.



This preview shows how white text looks on a background with the XYZ color 30.2378, 17.5114,

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

30.2378, 17.5114, 3.3764

Protanopia

16.1648, 17.7074, 5.6979

Deuteranopia

17.9698, 17.6938, 2.8489



Tritanopia

30.4859, 17.4647, 5.1324

Trichromacy



Original Color

30.2378, 17.5114, 3.3764

Protanomaly

19.3766, 15.8763, 4.5258

Deuteranomaly

21.0251, 16.2507, 2.7380

Tritanomaly

30.3815, 17.4952, 4.3604

Monochromacy



Original Color

30.2378, 17.5114, 3.3764

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.8376, 12.7161, 8.6409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2378, 17.5114, 3.3764 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(217, 54, 35)` looks like.

```
.text, #text, p{  
    color:rgb(217, 54, 35)  
}
```

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(217, 54, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 54, 35) }
```

Border

The CSS property to change the border of an element to XYZ 30.2378, 17.5114, 3.3764 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(217, 54, 35) }
```


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

```
.border{ border-color:rgb(217, 54, 35) }
```

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

Here you see how a box with a 4 pixel rgb(217, 54, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 54, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 54, 35);  
box-shadow:4px 4px 4px 4px rgb(217, 54,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2378, 17.5114, 3.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 54, 35) }
```

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

```
.background{ background-color: rgb(217, 54,  
35) }
```

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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