

Converting Colors

XYZ(34.8084, 18.2655, 1.6910)

Have a look what the booklet for
XYZ(34.8084, 18.2655, 1.6910)
contains.

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Color

**XYZ(34.8084, 18.2655,
1.6910)**

Conversions

Conversions Part 1

Format	Color
Hex	EC1200
RGB	236, 18, 0
RGB Percent	93%, 7%, 0%
CMY	0.0745, 0.9293, 1.0000
CMYK	0.00, 0.92, 1.00, 0.07
HSL	5°, 100%, 46%
HSV	5°, 100%, 93%
XYZ	34.8084, 18.2655, 1.6910
YIQ	81.1300, 135.7060, 40.6180

Conversions

Conversions Part 2

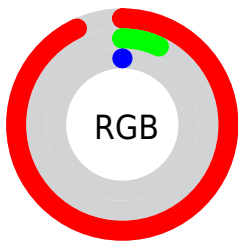
Format	Color
R_{YB}	236, 19, 0
Decimal	15471104
CIE Lab	49.82, 74.04, 63.58
CIE LCh	50, 97.588, 40.654
Yxy	18.2655, 0.6356, 0.3335
Android (android.graphics.Color)	4293661184 (0xFFEC1200)
YUV	81.1300, -39.9971, 135.8210
Hunter-Lab	42.7382, 70.5888, 27.5708

Details

The XYZ color **34.8084, 18.2655, 1.6910** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **40.2012, 56.1781, 88.0809**, and the grayscale version is **7.9090, 8.3209, 9.0614**.

A 20% lighter version of the original color is **46.2532, 30.1048, 7.2439**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.8087, 18.2666, 1.6912**, and if you desaturate by 10%, it is **35.5059, 19.4036, 2.7165**.

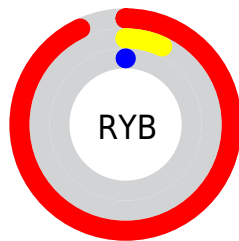
Distribution



Red (93%)

Green (7%)

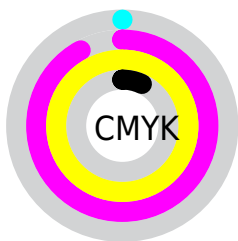
Blue (0%)



Red (93%)

Yellow (7%)

Blue (0%)

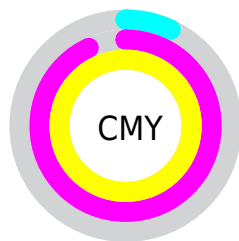


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (93%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8084, 18.2655, 1.6910 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 34.8084, 18.2655, 1.6910 by changing the saturation by 10% instead.

 34.8084, 18.2655,
1.6910


 34.8084, 18.2655,
1.6910


 315.2447,
242.3633, 117.3775


 23.6811, 11.1408,
0.3546


 66.5248, 40.4892,
8.1774


 15.2207, 6.1616,
0.0000


 87.8447, 56.3570,
14.2839

 9.0618, 2.9436,
0.0000


 113.2928, 75.9079,
22.8574

 4.8389, 1.1024,
0.0000

 143.2346, 99.5263,
34.3163

 2.1868, 0.0000,
0.0000

 178.0353,
127.5967, 49.0792


 0.7358, 0.0000,
0.0000


 218.0603,


 0.0000, 0.0000,


160.5034, 67.5647


0.0000


 263.6750,
198.6308, 90.1913


 34.8084, 18.2655,
1.6910


 34.8084, 18.2655,
1.6910


 34.8087, 18.2666,
1.6912

 35.5059, 19.4036,
2.7165

 36.8117, 21.4451,
4.9098

 38.8489, 24.5375,
8.6165

 41.7048, 28.7971,
14.0447

 45.4540, 34.3249,
21.3696

■ 50.1629, 41.2108,
30.7451

■ 55.8915, 49.5364,
42.3091

■ 62.6951, 59.3773,
56.1876

■ 70.6246, 70.8033,
72.4970

Harmonies

Analogous

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



41.5908, 18.2655, 11.8300



34.8084, 18.2655, 1.6910



23.9977, 18.2655, 0.0000

Triad

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



34.8084, 18.2655, 1.6910



5.3495, 18.2655, 7.2732



20.8883, 18.2655, 124.9362

Complementary

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



34.8084, 18.2655, 1.6910



40.2012, 56.1781, 88.0809

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.



12.0765, 18.2655, 118.2090



34.8084, 18.2655, 1.6910



5.0353, 18.2655, 30.9627

Square

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



34.8084, 18.2655, 1.6910



8.1091, 18.2655, 0.8289



7.0074, 18.2655, 75.5427



31.8442, 18.2655, 89.7339

Rectangle

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



34.8084, 18.2655, 1.6910



17.1570, 18.2655, 0.0000



7.0074, 18.2655, 75.5427



17.5663, 18.2655, 127.9605

Sweetspot

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



34.8088, 18.2667, 1.6912



66.5390, 58.9200, 50.2489



47.5454, 23.0142, 69.8313



13.5919, 11.6677, 9.4388



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.



34.8088, 18.2667, 1.6912



41.4813, 21.7426, 2.0104



43.0801, 34.8094, 4.4484



15.1580, 15.2389, 15.6612



19.2227, 10.1396, 0.9440



1.5417, 0.8607, 0.0849

Inverse Universe

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



40.2012, 56.1781, 88.0809



47.9041, 66.9281, 105.0014



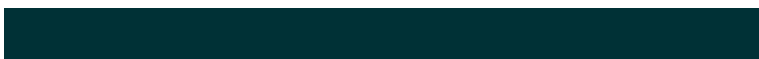
19.9179, 15.6115, 81.3198



15.4134, 16.9133, 19.3745



22.2030, 31.0530, 48.5666



1.7728, 2.4972, 3.8234

Previews

White Background



This preview shows how the XYZ color 34.8084, 18.2655, 1.6910 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 34.8084, 18.2655, 1.6910 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 34.8084, 18.2655, 1.6910

Background



This preview shows how black text looks on a background with the XYZ color 34.8084, 18.2655, 1.6910.



This preview shows how white text looks on a background with the XYZ color 34.8084, 18.2655,

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

34.8084, 18.2655, 1.6910

Protanopia

16.7823, 18.5950, 3.9330

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

34.8084, 18.2655, 1.6910

Protanomaly

20.0054, 14.8915, 2.4360

Deuteranomaly

22.0874, 15.5370, 1.8348

Tritanomaly

34.8422, 18.3332, 1.7023

Monochromacy



Original Color

34.8084, 18.2655, 1.6910

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

12.4494, 8.5924, 4.2512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8084, 18.2655, 1.6910 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(236, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 18, 0)  
}
```

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(236, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 18, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.8084, 18.2655, 1.6910 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(236, 18, 0) }
```


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

```
.border{ border-color:rgb(236, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 18, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.8084, 18.2655, 1.6910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 18, 0) }
```

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

```
.background{ background-color: rgb(236, 18,  
0) }
```

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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