

Converting Colors

XYZ(35.8827, 19.5200, 1.8765)

Have a look what the booklet for
XYZ(35.8827, 19.5200, 1.8765)
contains.

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Color

**XYZ(35.9530, 19.5634,
1.8812)**

Conversions

Conversions Part 1

Format	Color
Hex	EE2600
RGB	238, 38, 0
RGB Percent	93%, 15%, 0%
CMY	0.0667, 0.8509, 1.0000
CMYK	0.00, 0.84, 1.00, 0.07
HSL	10°, 100%, 47%
HSV	10°, 100%, 93%
XYZ	35.9530, 19.5634, 1.8812
YIQ	93.4680, 131.3980, 30.5820

Conversions

Conversions Part 2

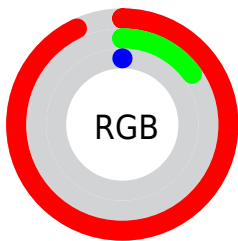
Format	Color
RYB	238, 45, 0
Decimal	15607296
CIELab	51.34, 71.35, 64.40
CIElCh	51, 96.113, 42.070
Yxy	19.5634, 0.6264, 0.3408
Android (android.graphics.Color)	4293797376 (0xFFEE2600)
YUV	93.4680, -46.0797, 126.7546
Hunter-Lab	44.2305, 67.6911, 28.4397

Details

The XYZ color **35.9530, 19.5634, 1.8812** 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 **36.0820, 47.4719, 88.1494**, and the grayscale version is **10.5998, 11.1518, 12.1443**.

A 20% lighter version of the original color is **47.0810, 31.6789, 7.7709**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **35.9533, 19.5645, 1.8814**, and if you desaturate by 10%, it is **36.9365, 21.2703, 3.0122**.

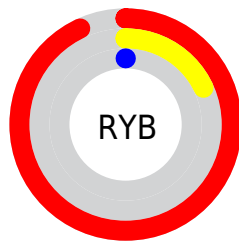
Distribution



Red (93%)

Green (15%)

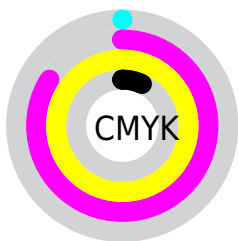
Blue (0%)



Red (93%)

Yellow (18%)

Blue (0%)

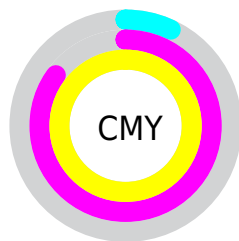


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9530, 19.5634, 1.8812 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 35.9530, 19.5634, 1.8812 by changing the saturation by 10% instead.


 35.9530, 19.5634,
1.8812


 35.9530, 19.5634,
1.8812


 320.1899,
249.5416, 120.5039

 24.5678, 12.0781,
0.4807


 68.2839, 42.6840,
8.7134


 15.8824, 6.7969,
0.0000


 89.9603, 59.0880,
15.0585


 9.5313, 3.3354,
0.0000


 115.7978, 79.2337,
23.9144

 5.1492, 1.3092,
0.0000

 146.1618,
103.5056, 35.6996

 2.3707, 0.1483,
0.0000

 181.4177,
132.2879, 50.8326


 0.8305, 0.0000,
0.0000


 221.9308,


 0.0000, 0.0000,


165.9651, 69.7319


0.0000


 268.0664,
204.9215, 92.8162


 35.9530, 19.5634,
1.8812


 35.9530, 19.5634,
1.8812


 35.9533, 19.5645,
1.8814

 36.9365, 21.2703,
3.0122

 38.5106, 23.8385,
5.3250

 40.7790, 27.3754,
9.1638

 43.8144, 31.9670,
14.7357

 47.6796, 37.6893,
22.2152

■ 52.4310, 44.6112,
31.7554

■ 58.1197, 52.7961,
43.4939

■ 64.7931, 62.3029,
57.5564

■ 72.4952, 73.1868,
74.0590

Harmonies

Analogous

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



43.1380, 19.5634, 12.0436



35.9530, 19.5634, 1.8812



24.8804, 19.5634, 0.0000

Triad

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



35.9530, 19.5634, 1.8812



5.9753, 19.5634, 8.8132



22.7306, 19.5634, 126.2114

Complementary

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



35.9530, 19.5634, 1.8812



36.0820, 47.4719, 88.1494

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.



13.4679, 19.5634, 121.6834



35.9530, 19.5634, 1.8812



5.7490, 19.5634, 34.3886

Square

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



35.9530, 19.5634, 1.8812



8.7607, 19.5634, 1.2202



7.9768, 19.5634, 80.0430



33.9202, 19.5634, 89.6464

Rectangle

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



35.9530, 19.5634, 1.8812



17.9352, 19.5634, 0.0000



7.9768, 19.5634, 80.0430



19.2696, 19.5634, 129.9643

Sweetspot

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



35.9534, 19.5646, 1.8815



67.8962, 61.6344, 50.7013



45.9558, 22.4555, 57.9755



13.9016, 12.2872, 9.5420



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.



35.9534, 19.5646, 1.8815



42.0238, 22.8277, 2.1913



46.9311, 41.5200, 5.5407



15.9767, 16.1665, 16.4281



20.1190, 11.0360, 1.0698



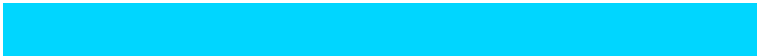
1.7338, 1.0382, 0.1090

Inverse Universe

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



36.0820, 47.4719, 88.1494



42.1634, 55.4468, 103.0878



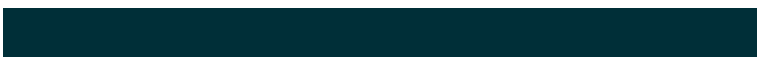
18.5489, 12.4057, 82.3051



16.0198, 17.4738, 20.2500



20.2101, 26.6444, 49.2056



1.7383, 2.3306, 4.1124

Previews

White Background



This preview shows how the XYZ color 35.9530, 19.5634, 1.8812 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 35.9530, 19.5634, 1.8812 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 35.9530, 19.5634, 1.8812

Background



This preview shows how black text looks on a background with the XYZ color 35.9530, 19.5634, 1.8812.



This preview shows how white text looks on a background with the XYZ color 35.9530, 19.5634,

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

35.9530, 19.5634, 1.8812

Protanopia

17.7860, 19.6579, 4.0193

Deuteranopia

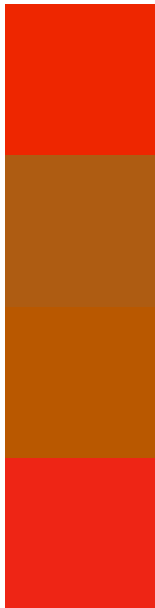
19.8789, 19.6911, 2.7530



Tritanopia

36.1653, 19.5487, 3.3060

Trichromacy



Original Color

35.9530, 19.5634, 1.8812

Protanomaly

21.3919, 16.6966, 2.6676

Deuteranomaly

23.4973, 17.2937, 2.0996

Tritanomaly

36.0568, 19.5544, 2.5834

Monochromacy



Original Color

35.9530, 19.5634, 1.8812

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

15.0260, 11.1918, 5.5060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9530, 19.5634, 1.8812 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(238, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 38, 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(238, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9530, 19.5634, 1.8812 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(238, 38, 0) }
```


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

```
.border{ border-color:rgb(238, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9530, 19.5634, 1.8812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 38, 0) }
```

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

```
.background{ background-color: rgb(238, 38,  
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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