

Converting Colors

XYZ(35.7713, 19.6227, 1.9022)

Have a look what the booklet for
XYZ(35.7713, 19.6227, 1.9022)
contains.

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Color

**XYZ(35.7180, 19.5904,
1.8988)**

Conversions

Conversions Part 1

Format	Color
Hex	ED2900
RGB	237, 41, 0
RGB Percent	93%, 16%, 0%
CMY	0.0706, 0.8391, 1.0000
CMYK	0.00, 0.83, 1.00, 0.07
HSL	10°, 100%, 46%
HSV	10°, 100%, 93%
XYZ	35.7180, 19.5904, 1.8988
YIQ	94.9300, 129.9770, 28.8010

Conversions

Conversions Part 2

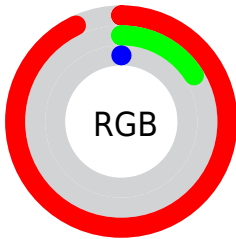
Format	Color
RYB	237, 50, 0
Decimal	15542528
CIELab	51.37, 70.42, 64.29
CIELCh	51, 95.358, 42.394
Yxy	19.5904, 0.6244, 0.3424
Android (android.graphics.Color)	4293732608 (0xFFED2900)
YUV	94.9300, -46.8005, 124.5954
Hunter-Lab	44.2610, 66.5900, 28.4392

Details

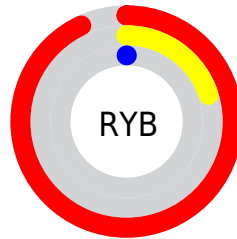
The XYZ color **35.7180, 19.5904, 1.8988** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **35.0219, 45.5862, 87.0733**, and the grayscale version is **10.9495, 11.5197, 12.5449**.

A 20% lighter version of the original color is **47.2871, 32.0912, 7.8396**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.7183, 19.5915, 1.8990**, and if you desaturate by 10%, it is **36.7350, 21.3659, 3.0359**.

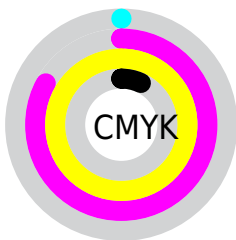
Distribution



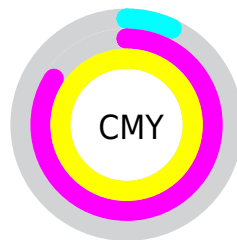
- Red (93%)
- Green (16%)
- Blue (0%)



- Red (93%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (7%)





- Cyan (7%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7180, 19.5904, 1.8988 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 35.7180, 19.5904, 1.8988 by changing the saturation by 10% instead.

 35.7180, 19.5904,
1.8988


 35.7180, 19.5904,
1.8988


 319.1791,
249.6890, 120.7850


 24.3856, 12.0977,
0.4920


 67.9233, 42.7294,
8.7622

 15.7462, 6.8102,
0.0000


 89.5269, 59.1444,
15.1288

 9.4344, 3.3437,
0.0000


 115.2849, 79.3023,
24.0101

 5.0850, 1.3137,
0.0000

 145.5628,
103.5875, 35.8245

 2.3325, 0.1518,
0.0000

 180.7257,
132.3844, 50.9907


 0.8112, 0.0000,
0.0000


 221.1392,


 0.0000, 0.0000,


166.0773, 69.9272


0.0000


 267.1685,
205.0507, 93.0524


 35.7180, 19.5904,
1.8988


 35.7180, 19.5904,
1.8988


 35.7183, 19.5915,
1.8990

 36.7350, 21.3659,
3.0359

 38.3305, 23.9819,
5.3408

 40.6048, 27.5394,
9.1540

 43.6274, 32.1191,
14.6796

 47.4589, 37.7927,
22.0898

■ 52.1534, 44.6254,
31.5356

■ 57.7603, 52.6772,
43.1528

■ 64.3251, 62.0038,
57.0651

■ 71.8903, 72.6577,
73.3872

Harmonies

Analogous

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



42.8961, 19.5904, 11.9254



35.7180, 19.5904, 1.8988



24.7378, 19.5904, 0.0000

Triad

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



35.7180, 19.5904, 1.8988



6.0376, 19.5904, 9.0597



22.8411, 19.5904, 124.7757

Complementary

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



35.7180, 19.5904, 1.8988



35.0219, 45.5862, 87.0733

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.



13.6046, 19.5904, 120.8041



35.7180, 19.5904, 1.8988



5.8361, 19.5904, 34.7091

Square

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



35.7180, 19.5904, 1.8988



8.7888, 19.5904, 1.3018



8.0929, 19.5904, 79.9712



33.9277, 19.5904, 88.4045

Rectangle

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



35.7180, 19.5904, 1.8988



17.8644, 19.5904, 0.0000



8.0929, 19.5904, 79.9712



19.3968, 19.5904, 128.6407

Sweetspot

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



35.7184, 19.5916, 1.8991



68.1188, 62.0796, 50.7755



45.0602, 22.0586, 55.0069



13.9527, 12.3893, 9.5591



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.



35.7184, 19.5916, 1.8991



42.1456, 23.0713, 2.2319



47.1517, 42.4582, 5.7102



15.2762, 15.4754, 15.7006



19.5665, 10.8273, 1.0586



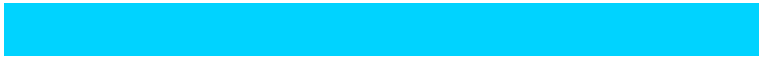
1.5979, 0.9731, 0.1036

Inverse Universe

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



35.0219, 45.5862, 87.0733



41.3112, 53.7425, 102.8037



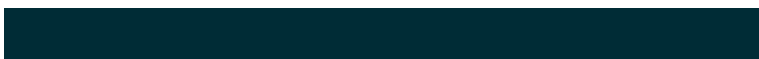
18.0821, 11.7066, 81.4267



15.2830, 16.6524, 19.3310



19.2066, 25.0603, 47.5678



1.5666, 2.0846, 3.7547

Previews

White Background



This preview shows how the XYZ color 35.7180, 19.5904, 1.8988 looks on a white background.

Color Contrast Check

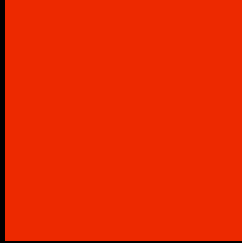
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7180, 19.5904, 1.8988 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 35.7180, 19.5904, 1.8988

Background



This preview shows how black text looks on a background with the XYZ color 35.7180, 19.5904, 1.8988.



This preview shows how white text looks on a background with the XYZ color 35.7180, 19.5904,

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

35.7180, 19.5904, 1.8988

Protanopia

17.7860, 19.6579, 4.0193

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

35.9845, 19.5891, 3.6348

Trichromacy



Original Color

35.7180, 19.5904, 1.8988

Protanomaly

21.4791, 16.8710, 2.6966

Deuteranomaly

23.5800, 17.4590, 2.1271

Tritanomaly

35.8487, 19.5881, 2.7556

Monochromacy



Original Color

35.7180, 19.5904, 1.8988

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

15.3643, 11.5614, 5.6968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7180, 19.5904, 1.8988 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(237, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 41, 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(237, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 41, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.7180, 19.5904, 1.8988 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(237, 41, 0) }
```


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

```
.border{ border-color:rgb(237, 41, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 41, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 41, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.7180, 19.5904, 1.8988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 41, 0) }
```

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

```
.background{ background-color: rgb(237, 41,  
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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