

Converting Colors

XYZ(35.5088, 18.9168, 2.9277)

Have a look what the booklet for
XYZ(35.5088, 18.9168, 2.9277)
contains.

XYZ(35.5862, 18.9720, 2.9488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.5862, 18.9720,
2.9488)**

Conversions

Conversions Part 1

Format	Color
Hex	ED1D1D
RGB	237, 29, 29
RGB Percent	93%, 11%, 11%
CMY	0.0706, 0.8862, 0.8863
CMYK	0.00, 0.88, 0.88, 0.07
HSL	0°, 85%, 52%
HSV	0°, 88%, 93%
XYZ	35.5862, 18.9720, 2.9488
YIQ	91.1920, 123.9680, 44.0960

Conversions

Conversions Part 2

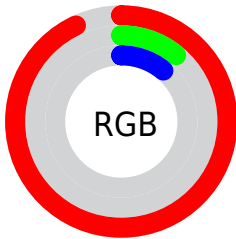
Format	Color
R_{YB}	237, 29, 29
Decimal	15539485
CIE Lab	50.65, 73.07, 54.86
CIE LCh	51, 91.371, 36.900
Yxy	18.9720, 0.6188, 0.3299
Android (android.graphics.Color)	4293729565 (0xFFED1D1D)
YUV	91.1920, -30.6607, 127.8736
Hunter-Lab	43.5569, 69.6110, 26.4759

Details

The XYZ color **35.5862, 18.9720, 2.9488** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **46.0688, 66.9279, 90.6104**, and the grayscale version is **10.0387, 10.5615, 11.5015**.

A 20% lighter version of the original color is **47.2332, 31.1032, 10.5352**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.0117, 18.1317, 1.8067**, and if you desaturate by 10%, it is **36.8211, 20.7799, 5.4025**.

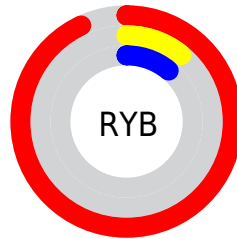
Distribution



Red (93%)

Green (11%)

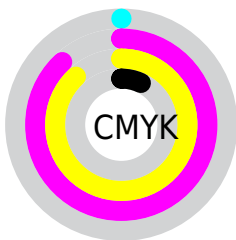
Blue (11%)



Red (93%)

Yellow (11%)

Blue (11%)

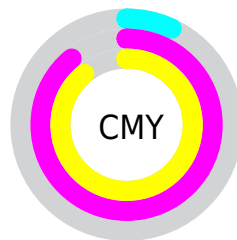


Cyan (0%)

Magenta (88%)

Yellow (88%)

Black (7%)



Cyan (7%)


Magenta (89%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5862, 18.9720, 2.9488 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 35.5862, 18.9720, 2.9488 by changing the saturation by 10% instead.


 35.5862, 18.9720,
2.9488


 35.5862, 18.9720,
2.9488


318.6111,
246.2941, 135.7058


 24.2834, 11.6500,
1.0686


 67.7210, 41.6868,
11.5018


 15.6699, 6.5059,
0.0000


 89.2836, 57.8484,
19.0117


 9.3802, 3.1550,
0.0000


 114.9970, 77.7254,
29.2352

 5.0491, 1.2132,
0.0000

 145.2263,
101.7021, 42.5908

 2.3111, 0.0724,
0.0000

 180.3371,
130.1629, 59.4972


 0.8004, 0.0000,
0.0000


 220.6946,


 0.0000, 0.0000,


163.4923, 80.3728


0.0000


 266.6641,
202.0745, 105.6361


 35.5862, 18.9720,
2.9488


 35.5862, 18.9720,
2.9488


 35.0117, 18.1317,
1.8067


 36.8211, 20.7799,
5.4025


 34.9251, 18.0050,
1.6346


 38.8569, 23.7590,
9.4488


 41.7985, 28.0636,
15.2961


 45.7348, 33.8237,
23.1210

 50.7442, 41.1539,
33.0793

 56.8971, 50.1573,
45.3111

 64.2580, 60.9282,
59.9445

 72.8865, 73.5540,
77.0984

 82.8384, 88.1162,
96.8834

Harmonies

Analogous

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



41.0723, 18.9720, 15.2856



35.5862, 18.9720, 2.9488



25.6596, 18.9720, 0.2300

Triad

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



35.5862, 18.9720, 2.9488



6.3852, 18.9720, 6.7290



20.1791, 18.9720, 118.3409

Complementary

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



35.5862, 18.9720, 2.9488



46.0688, 66.9279, 90.6104

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.



12.0895, 18.9720, 107.2034



35.5862, 18.9720, 2.9488



5.7775, 18.9720, 27.1597

Square

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



35.5862, 18.9720, 2.9488



9.5494, 18.9720, 0.9978



7.4765, 18.9720, 66.6108



30.4601, 18.9720, 90.4219

Rectangle

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



35.5862, 18.9720, 2.9488



18.9789, 18.9720, 0.0000



7.4765, 18.9720, 66.6108



17.1177, 18.9720, 119.2547

Sweetspot

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



35.5866, 18.9732, 2.9491



68.5277, 61.1910, 56.1728



50.6501, 24.9975, 82.2755



14.0756, 12.2309, 10.8460



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.



35.5866, 18.9732, 2.9491



41.2404, 21.2607, 1.9301



43.5341, 34.8682, 5.5982



15.0657, 15.0544, 15.6305



19.0680, 9.8303, 0.8924



1.4974, 0.7720, 0.0701

Inverse Universe

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



46.0688, 66.9279, 90.6104



53.7995, 78.7190, 106.9665



24.1802, 23.1507, 83.3142



15.5176, 17.1216, 19.4092



24.8749, 36.3968, 49.4572



1.9533, 2.8581, 3.8836

Previews

White Background



This preview shows how the XYZ color 35.5862, 18.9720, 2.9488 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 35.5862, 18.9720, 2.9488 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 35.5862, 18.9720, 2.9488

Background



This preview shows how black text looks on a background with the XYZ color 35.5862, 18.9720, 2.9488.



This preview shows how white text looks on a background with the XYZ color 35.5862, 18.9720,

2.9488.

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

35.5862, 18.9720, 2.9488

Protanopia

17.5056, 19.2917, 5.7068

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5542, 18.9990, 2.6574

Trichromacy



Original Color

35.5862, 18.9720, 2.9488

Protanomaly

20.9209, 15.9173, 4.1602

Deuteranomaly

22.9979, 16.5552, 2.3000

Tritanomaly

35.5758, 19.0077, 2.7711

Monochromacy



Original Color

35.5862, 18.9720, 2.9488

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.6121, 10.4809, 6.7217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5862, 18.9720, 2.9488 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, 29, 29)` looks like.

```
.text, #text, p{  
    color:rgb(237, 29, 29)  
}
```

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, 29, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 29, 29) }
```

Border

The CSS property to change the border of an element to XYZ 35.5862, 18.9720, 2.9488 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, 29, 29) }
```


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

```
.border{ border-color:rgb(237, 29, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 29, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 29, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 29, 29);  
box-shadow:4px 4px 4px 4px rgb(237, 29,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5862, 18.9720, 2.9488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 29, 29) }
```

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

```
.background{ background-color: rgb(237, 29,  
29) }
```

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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