

Converting Colors

XYZ(36.5517, 19.1180, 3.8615)

Have a look what the booklet for
XYZ(36.5517, 19.1180, 3.8615)
contains.

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Color

**XYZ(36.5517, 19.1180,
3.8615)**

Conversions

Conversions Part 1

Format	Color
Hex	F01229
RGB	240, 18, 41
RGB Percent	94%, 7%, 16%
CMY	0.0588, 0.9292, 0.8392
CMYK	0.00, 0.92, 0.83, 0.06
HSL	354°, 88%, 51%
HSV	354°, 92%, 94%
XYZ	36.5517, 19.1180, 3.8615
YIQ	87.0000, 124.9290, 54.2170

Conversions

Conversions Part 2

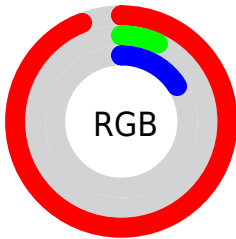
Format	Color
R_{YB}	240, 18, 41
Decimal	15733289
CIE _{Lab}	50.82, 75.56, 49.51
CIE _{LCh}	51, 90.336, 33.231
Yxy	19.1180, 0.6140, 0.3211
Android (android.graphics.Color)	4293923369 (0xFFFF01229)
YUV	87.0000, -22.6780, 134.1810
Hunter-Lab	43.7241, 72.7019, 25.3707

Details

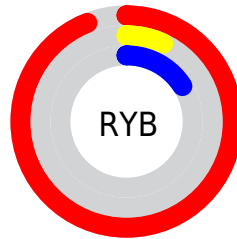
The XYZ color **36.5517, 19.1180, 3.8615** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **43.9399, 67.4605, 76.3794**, and the grayscale version is **9.0925, 9.5660, 10.4173**.

A 20% lighter version of the original color is **47.3691, 30.6999, 12.6616**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.1084, 18.5945, 2.5957**, and if you desaturate by 10%, it is **37.6481, 20.5376, 6.6122**.

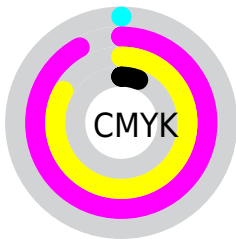
Distribution



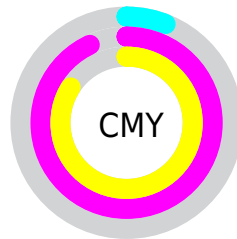
- Red (94%)
- Green (7%)
- Blue (16%)



- Red (94%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (92%)
- Yellow (83%)
- Black (6%)





- Cyan (6%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5517, 19.1180, 3.8615 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 36.5517, 19.1180, 3.8615 by changing the saturation by 10% instead.


 36.5517, 19.1180,
3.8615


 36.5517, 19.1180,
3.8615


322.7549,
247.0994, 146.6733


 25.0327, 11.7556,
1.5497


 69.2011, 41.9334,
13.6891

 16.2303, 6.5775,
0.2545


 91.0621, 58.1552,
22.0419


 9.7791, 3.1993,
0.0000


 117.1012, 78.0988,
33.2454

 5.3139, 1.2366,
0.0000

 147.6837,
102.1488, 47.7183

 2.4692, 0.0913,
0.0000

 183.1750,
130.6894, 65.8789

 0.8798, 0.0000,
0.0000

 223.9404,

 0.0000, 0.0000,

164.1051, 88.1460

0.0000

270.3452,
202.7803, 114.9379

■ 36.5517, 19.1180,
3.8615

■ 36.5517, 19.1180,
3.8615

■ 36.1084, 18.5945,
2.5957

■ 37.6481, 20.5376,
6.6122

■ 39.4872, 23.0672,
10.7661

■ 42.1730, 26.8760,
16.4790

■ 45.7924, 32.1036,
23.8860

■ 50.4215, 38.8712,
33.1072

■ 56.1285, 47.2872,
44.2519

■ 62.9755, 57.4500,
57.4206

■ 71.0201, 69.4506,
72.7069

■ 80.3159, 83.3734,
90.1985

Harmonies

Analogous

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



41.1435, 19.1180, 18.1767



36.5517, 19.1180, 3.8615



27.0103, 19.1180, 0.4876

Triad

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



36.5517, 19.1180, 3.8615



6.7819, 19.1180, 5.6343



19.1519, 19.1180, 117.9570

Complementary

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



36.5517, 19.1180, 3.8615



43.9399, 67.4605, 76.3794

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.



11.5073, 19.1180, 102.2769



36.5517, 19.1180, 3.8615



5.8886, 19.1180, 23.6998

Square

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



36.5517, 19.1180, 3.8615



10.3198, 19.1180, 0.8436



7.2938, 19.1180, 60.8303



29.2430, 19.1180, 94.5064

Rectangle

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



36.5517, 19.1180, 3.8615



20.2616, 19.1180, 0.0000



7.2938, 19.1180, 60.8303



16.2295, 19.1180, 117.1216

Sweetspot

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



36.5521, 19.1192, 3.8618



67.6998, 59.1360, 57.1278



43.7070, 21.0371, 84.1943



13.7969, 11.6296, 10.8883



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.



36.5521, 19.1192, 3.8618



41.4307, 21.3363, 2.9341



40.9072, 28.2946, 3.8795



15.8392, 15.7854, 16.7096



19.7889, 10.1880, 1.5391



1.6683, 0.8564, 0.2440

Inverse Universe

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



36.5521, 19.1192, 3.8618



41.4307, 21.3363, 2.9341



27.6857, 29.8350, 86.7368



15.8392, 15.7854, 16.7096



19.7889, 10.1880, 1.5391



1.6683, 0.8564, 0.2440

Previews

White Background



This preview shows how the XYZ color 36.5517, 19.1180, 3.8615 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 36.5517, 19.1180, 3.8615 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 36.5517, 19.1180, 3.8615

Background



This preview shows how black text looks on a background with the XYZ color 36.5517, 19.1180, 3.8615.



This preview shows how white text looks on a background with the XYZ color 36.5517, 19.1180,

3.8615.

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

36.5517, 19.1180, 3.8615

Protanopia

17.7452, 19.3691, 7.8044

Deuteranopia

19.6730, 19.4013, 3.2383



Tritanopia

36.3411, 19.2102, 2.2080

Trichromacy



Original Color

36.5517, 19.1180, 3.8615

Protanomaly

21.1177, 15.5104, 5.6222

Deuteranomaly

23.0627, 16.1262, 2.8744

Tritanomaly

36.3870, 19.1650, 2.6456

Monochromacy



Original Color

36.5517, 19.1180, 3.8615

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

14.1558, 9.7271, 6.9258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5517, 19.1180, 3.8615 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(240, 18, 41)` looks like.

```
.text, #text, p{  
    color:rgb(240, 18, 41)  
}
```

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(240, 18, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 18, 41) }
```

Border

The CSS property to change the border of an element to XYZ 36.5517, 19.1180, 3.8615 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(240, 18, 41) }
```


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

```
.border{ border-color:rgb(240, 18, 41) }
```

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

Here you see how a box with a 4 pixel rgb(240, 18, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 18, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 18, 41);  
box-shadow:4px 4px 4px 4px rgb(240, 18,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5517, 19.1180, 3.8615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 18, 41) }
```

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

```
.background{ background-color: rgb(240, 18,  
41) }
```

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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