

Converting Colors

XYZ(36.0200, 18.8175, 2.8759)

Have a look what the booklet for
XYZ(36.0200, 18.8175, 2.8759)
contains.

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Color

**XYZ(36.0037, 18.8100,
2.8955)**

Conversions

Conversions Part 1

Format	Color
Hex	EF101D
RGB	239, 16, 29
RGB Percent	94%, 6%, 11%
CMY	0.0627, 0.9371, 0.8863
CMYK	0.00, 0.93, 0.88, 0.06
HSL	357°, 87%, 50%
HSV	357°, 93%, 94%
XYZ	36.0037, 18.8100, 2.8955
YIQ	84.1590, 128.7350, 51.3190

Conversions

Conversions Part 2

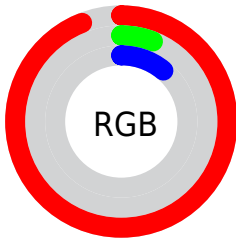
Format	Color
R_{YB}	239, 16, 29
Decimal	15667229
CIE Lab	50.46, 75.29, 54.90
CIE LCh	50, 93.180, 36.096
Yxy	18.8100, 0.6239, 0.3259
Android (android.graphics.Color)	4293857309 (0xFFEF101D)
YUV	84.1590, -27.1934, 135.7956
Hunter-Lab	43.3705, 72.2821, 26.4010

Details

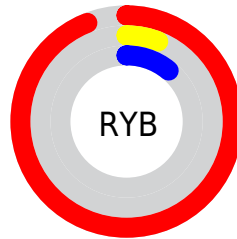
The XYZ color **36.0037, 18.8100, 2.8955** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **44.8140, 67.3365, 82.6173**, and the grayscale version is **8.5003, 8.9430, 9.7389**.

A 20% lighter version of the original color is **46.8542, 30.3452, 10.4089**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **35.6749, 18.3820, 2.0793**, and if you desaturate by 10%, it is **36.9622, 20.1080, 5.1246**.

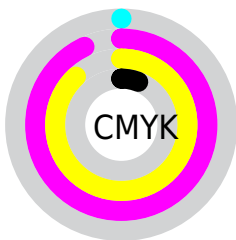
Distribution



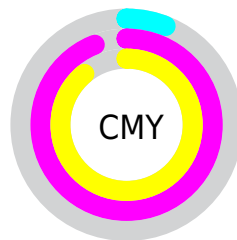
- Red (94%)
- Green (6%)
- Blue (11%)



- Red (94%)
- Yellow (6%)
- Blue (11%)



- Cyan (0%)
- Magenta (93%)
- Yellow (88%)
- Black (6%)





- Cyan (6%)
- Magenta (94%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0037, 18.8100, 2.8955 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 36.0037, 18.8100, 2.8955 by changing the saturation by 10% instead.


 36.0037, 18.8100,
2.8955


 36.0037, 18.8100,
2.8955


320.4077,
245.3978, 135.0183


 24.6072, 11.5331,
1.0415


 68.3616, 41.4128,
11.3695


 15.9118, 6.4266,
0.0000


 90.0537, 57.5075,
18.8265


 9.5522, 3.1062,
0.0000


 115.9084, 77.3101,
28.9884

 5.1631, 1.1874,
0.0000

 146.2910,
101.2053, 42.2736

 2.3790, 0.0514,
0.0000

 181.5668,
129.5772, 59.1006


 0.8346, 0.0000,
0.0000


 222.1013,


 0.0000, 0.0000,


162.8103, 79.8881


0.0000


 268.2598,
201.2891, 105.0545


 36.0037, 18.8100,
2.8955

 36.0037, 18.8100,
2.8955


 35.6749, 18.3820,
2.0793

 36.9622, 20.1080,
5.1246

 38.6578, 22.4945,
8.7870

 41.2011, 26.1425,
14.0701

 44.6838, 31.1935,
21.1328

 49.1856, 37.7703,
30.1148

■ 54.7778, 45.9825,
41.1421

■ 61.5253, 55.9293,
54.3298

■ 69.4879, 67.7022,
69.7848

■ 78.7211, 81.3862,
87.6064

Harmonies

Analogous

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



41.4397, 18.8100, 15.6200



36.0037, 18.8100, 2.8955



25.9197, 18.8100, 0.1272

Triad

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



36.0037, 18.8100, 2.8955



6.2020, 18.8100, 6.1741



19.7957, 18.8100, 121.1528

Complementary

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



36.0037, 18.8100, 2.8955



44.8140, 67.3365, 82.6173

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.



11.7003, 18.8100, 108.5264



36.0037, 18.8100, 2.8955



5.5372, 18.8100, 26.2581

Square

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



36.0037, 18.8100, 2.8955



9.4443, 18.8100, 0.8190



7.1623, 18.8100, 66.2677



30.2512, 18.8100, 93.1853

Rectangle

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



36.0037, 18.8100, 2.8955



19.0925, 18.8100, 0.0000



7.1623, 18.8100, 66.2677



16.7168, 18.8100, 121.6986

Sweetspot

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



36.0041, 18.8112, 2.8958



67.3476, 58.9951, 55.2730



46.5484, 22.4728, 83.5451



13.7158, 11.5972, 10.4617



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.



36.0041, 18.8112, 2.8958



41.3249, 21.2940, 2.3773



41.5573, 30.1222, 4.1158



15.8100, 15.7737, 16.5559



19.7300, 10.1644, 1.2287



1.6543, 0.8508, 0.1706

Inverse Universe

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



36.0041, 18.8112, 2.8958



41.3249, 21.2940, 2.3773



25.5248, 25.8034, 85.2961



15.8100, 15.7737, 16.5559



19.7300, 10.1644, 1.2287



1.6543, 0.8508, 0.1706

Previews

White Background



This preview shows how the XYZ color 36.0037, 18.8100, 2.8955 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 36.0037, 18.8100, 2.8955 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 36.0037, 18.8100, 2.8955

Background



This preview shows how black text looks on a background with the XYZ color 36.0037, 18.8100, 2.8955.



This preview shows how white text looks on a background with the XYZ color 36.0037, 18.8100,

2.8955.

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

36.0037, 18.8100, 2.8955

Protanopia

17.4048, 19.0559, 5.7784

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.8648, 18.8871, 1.7553

Trichromacy



Original Color

36.0037, 18.8100, 2.8955

Protanomaly

20.7448, 15.2379, 4.0383

Deuteranomaly

22.6236, 15.8065, 2.1752

Tritanomaly

35.8899, 18.8406, 2.0616

Monochromacy



Original Color

36.0037, 18.8100, 2.8955

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

13.3046, 9.0735, 5.9006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0037, 18.8100, 2.8955 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(239, 16, 29)` looks like.

```
.text, #text, p{  
  color:rgb(239, 16, 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(239, 16, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 16, 29) }
```

Border

The CSS property to change the border of an element to XYZ 36.0037, 18.8100, 2.8955 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(239, 16, 29) }
```


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

```
.border{ border-color:rgb(239, 16, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 16, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 16, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 16, 29);  
box-shadow:4px 4px 4px 4px rgb(239, 16,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0037, 18.8100, 2.8955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 16, 29) }
```

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

```
.background{ background-color: rgb(239, 16,  
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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