

Converting Colors

XYZ(35.9549, 18.5214, 2.3168)

Have a look what the booklet for
XYZ(35.9549, 18.5214, 2.3168)
contains.

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Color

**XYZ(36.0527, 18.5723,
2.3007)**

Conversions

Conversions Part 1

Format	Color
Hex	F00013
RGB	240, 0, 19
RGB Percent	94%, 0%, 7%
CMY	0.0588, 0.9997, 0.9255
CMYK	0.00, 1.00, 0.92, 0.06
HSL	355°, 100%, 47%
HSV	355°, 100%, 94%
XYZ	36.0527, 18.5723, 2.3007
YIQ	73.9260, 136.9410, 56.7890

Conversions

Conversions Part 2

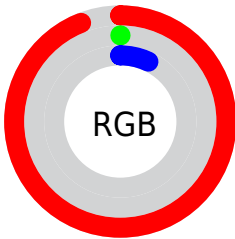
Format	Color
R_{YB}	240, 0, 19
Decimal	15728659
CIE Lab	50.18, 76.67, 58.82
CIE LCh	50, 96.630, 37.494
Yxy	18.5723, 0.6333, 0.3263
Android (android.graphics.Color)	4293918739 (0xFFFF0013)
YUV	73.9260, -27.0785, 145.6469
Hunter-Lab	43.0956, 73.9114, 27.0017

Details

The XYZ color **36.0527, 18.5723, 2.3007** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **44.2201, 67.5438, 79.1569**, and the grayscale version is **6.5315, 6.8716, 7.4832**.

A 20% lighter version of the original color is **46.1977, 29.5061, 8.7292**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.0519, 18.5719, 2.2981**, and if you desaturate by 10%, it is **36.6649, 19.3418, 3.9084**.

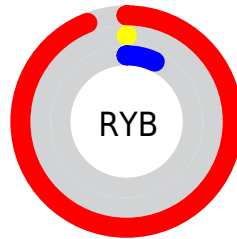
Distribution



Red (94%)

Green (0%)

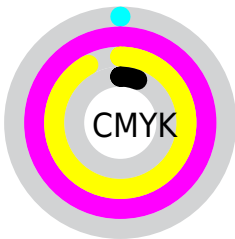
Blue (7%)



Red (94%)

Yellow (0%)

Blue (7%)

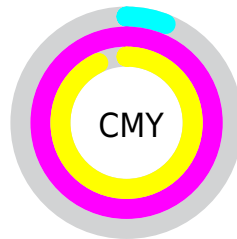


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0527, 18.5723, 2.3007 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 36.0527, 18.5723, 2.3007 by changing the saturation by 10% instead.


 36.0527, 18.5723,
2.3007

 36.0527, 18.5723,
2.3007


320.6180,
244.0773, 126.8840


 24.6452, 11.3616,
0.7316


 68.4367, 41.0101,
9.8477

 15.9402, 6.3106,
0.0000


 90.1440, 57.0061,
16.6809


 9.5724, 3.0349,
0.0000


 116.0152, 76.6993,
26.1120

 5.1765, 1.1500,
0.0000

 146.4157,
100.4741, 38.5594

 2.3870, 0.0203,
0.0000

 181.7109,
128.7149, 54.4418

 0.8386, 0.0000,
0.0000


 222.2661,


 0.0000, 0.0000,


161.8061, 74.1777


0.0000


 268.4467,
200.1321, 98.1856


 36.0527, 18.5723,
2.3007

 36.0527, 18.5723,
2.3007


 36.0519, 18.5719,
2.2981

 36.6649, 19.3418,
3.9084

 37.8975, 21.0055,
6.7908

 39.9087, 23.8290,
11.1567

 42.7997, 27.9729,
17.1705

 46.6567, 33.5724,
24.9748

■ 51.5553, 40.7458,
34.6967

■ 57.5639, 49.5996,
46.4517

■ 64.7447, 60.2306,
60.3462

■ 73.1555, 72.7286,
76.4791

Harmonies

Analogous

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



42.0790, 18.5723, 14.2347



36.0527, 18.5723, 2.3007



25.4477, 18.5723, 0.0000

Triad

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



36.0527, 18.5723, 2.3007



5.7254, 18.5723, 6.2427



20.0968, 18.5723, 125.8901

Complementary

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



36.0527, 18.5723, 2.3007



44.2201, 67.5438, 79.1569

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.



11.6378, 18.5723, 114.4962



36.0527, 18.5723, 2.3007



5.1716, 18.5723, 27.6894

Square

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



36.0527, 18.5723, 2.3007



8.8303, 18.5723, 0.6889



6.9023, 18.5723, 70.3793



30.9769, 18.5723, 94.5034

Rectangle

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



36.0527, 18.5723, 2.3007



18.4485, 18.5723, 0.0000



6.9023, 18.5723, 70.3793



16.8796, 18.5723, 127.2134

Sweetspot

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



36.0531, 18.5735, 2.3009



65.9683, 56.7834, 53.1268



45.2453, 21.5089, 84.2043



13.4628, 11.1844, 10.0900



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.



36.0531, 18.5735, 2.3009



41.3674, 21.3110, 2.6008



40.4959, 27.6466, 3.2038



15.8234, 15.7791, 16.6264



19.7541, 10.1741, 1.3558



1.6607, 0.8533, 0.2043

Inverse Universe

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



36.0531, 18.5735, 2.3009



41.3674, 21.3110, 2.6008



25.1107, 25.0554, 85.9500



15.8234, 15.7791, 16.6264



19.7541, 10.1741, 1.3558



1.6607, 0.8533, 0.2043

Previews

White Background



This preview shows how the XYZ color 36.0527, 18.5723, 2.3007 looks on a white background.

Color Contrast Check

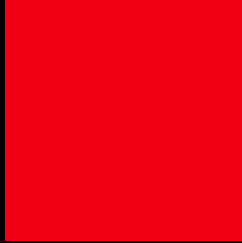
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0527, 18.5723, 2.3007 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 36.0527, 18.5723, 2.3007

Background



This preview shows how black text looks on a background with the XYZ color 36.0527, 18.5723, 2.3007.



This preview shows how white text looks on a background with the XYZ color 36.0527, 18.5723,

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

36.0527, 18.5723, 2.3007

Protanopia

17.3737, 19.0622, 4.7712

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5468, 18.7510, 1.7458

Trichromacy



Original Color

36.0527, 18.5723, 2.3007



Protanomaly

20.3701, 14.4107, 3.0744



Deuteranomaly

22.4285, 15.0947, 1.9325



Tritanomaly

35.7920, 18.6801, 1.9202

Monochromacy



Original Color

36.0527, 18.5723, 2.3007



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

11.5139, 7.3677, 4.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0527, 18.5723, 2.3007 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, 0, 19)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 19)  
}
```

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, 0, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 19) }
```

Border

The CSS property to change the border of an element to XYZ 36.0527, 18.5723, 2.3007 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, 0, 19) }
```


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

```
.border{ border-color:rgb(240, 0, 19) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 19);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0527, 18.5723, 2.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 19) }
```

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

```
.background{ background-color: rgb(240, 0,  
19) }
```

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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