

Converting Colors

XYZ(35.9598, 19.0207, 2.2738)

Have a look what the booklet for
XYZ(35.9598, 19.0207, 2.2738)
contains.

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Color

**XYZ(36.0168, 19.0414,
2.2673)**

Conversions

Conversions Part 1

Format	Color
Hex	EF1810
RGB	239, 24, 16
RGB Percent	94%, 9%, 6%
CMY	0.0627, 0.9058, 0.9372
CMYK	0.00, 0.90, 0.93, 0.06
HSL	2°, 87%, 50%
HSV	2°, 93%, 94%
XYZ	36.0168, 19.0414, 2.2673
YIQ	87.3730, 130.7080, 43.0920

Conversions

Conversions Part 2

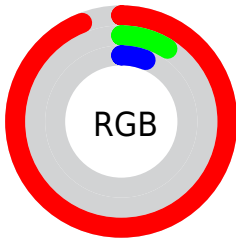
Format	Color
R_{YB}	239, 24, 16
Decimal	15669264
CIE _{Lab}	50.74, 74.17, 60.04
CIE _{LCh}	51, 95.421, 38.990
Yxy	19.0414, 0.6283, 0.3322
Android (android.graphics.Color)	4293859344 (0xFFEF1810)
YUV	87.3730, -35.1869, 132.9769
Hunter-Lab	43.6365, 70.9671, 27.4649

Details

The XYZ color **36.0168, 19.0414, 2.2673** 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 **44.3607, 63.4764, 91.5749**, and the grayscale version is **9.1971, 9.6761, 10.5373**.

A 20% lighter version of the original color is **46.7150, 30.5889, 8.7523**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **35.6898, 18.5374, 1.6970**, and if you desaturate by 10%, it is **36.9971, 20.5419, 4.0137**.

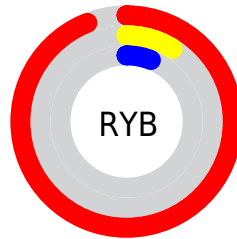
Distribution



Red (94%)

Green (9%)

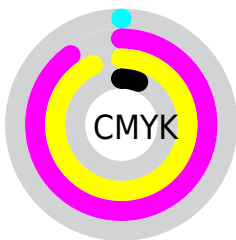
Blue (6%)



Red (94%)

Yellow (9%)

Blue (6%)

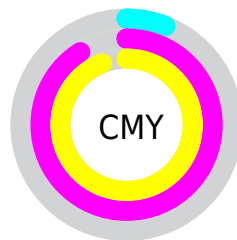


Cyan (0%)

Magenta (90%)

Yellow (93%)

Black (6%)



Cyan (6%)


Magenta (91%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0168, 19.0414, 2.2673 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 36.0168, 19.0414, 2.2673 by changing the saturation by 10% instead.


 36.0168, 19.0414,
2.2673


 36.0168, 19.0414,
2.2673


320.4639,
246.6772, 126.3983


 24.6173, 11.7002,
0.7128


 68.3817, 41.8040,
9.7595

 15.9194, 6.5399,
0.0000


 90.0778, 57.9943,
16.5555


 9.5576, 3.1761,
0.0000


 115.9369, 77.9030,
25.9428

 5.1667, 1.2243,
0.0000

 146.3243,
101.9145, 38.3400

 2.3811, 0.0814,
0.0000

 181.6054,
130.4133, 54.1656


 0.8357, 0.0000,
0.0000


 222.1454,


 0.0000, 0.0000,


163.7838, 73.8382


0.0000


 268.3098,
202.4103, 97.7763


 36.0168, 19.0414,
2.2673


 36.0168, 19.0414,
2.2673


 35.6898, 18.5374,
1.6970

 36.9971, 20.5419,
4.0137

 38.7132, 23.1127,
7.2417

 41.2730, 26.9053,
12.1858

 44.7661, 32.0461,
19.0392

 49.2707, 38.6455,
27.9697

■ 54.8568, 46.8029,
39.1264

■ 61.5883, 56.6086,
52.6448

■ 69.5239, 68.1463,
68.6498

■ 78.7184, 81.4937,
87.2572

Harmonies

Analogous

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



42.3531, 19.0414, 13.6717



36.0168, 19.0414, 2.2673



25.3540, 19.0414, 0.0000

Triad

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



36.0168, 19.0414, 2.2673



5.9540, 19.0414, 7.1932



21.0612, 19.0414, 124.8079

Complementary

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



36.0168, 19.0414, 2.2673



44.3607, 63.4764, 91.5749

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.



12.3785, 19.0414, 115.7840



36.0168, 19.0414, 2.2673



5.5008, 19.0414, 29.8832

Square

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



36.0168, 19.0414, 2.2673



8.9667, 19.0414, 0.9305



7.3985, 19.0414, 73.0676



31.9603, 19.0414, 92.2197

Rectangle

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



36.0168, 19.0414, 2.2673



18.4175, 19.0414, 0.0000



7.3985, 19.0414, 73.0676



17.7828, 19.0414, 126.8899

Sweetspot

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



36.0172, 19.0426, 2.2676



67.4449, 59.8940, 53.1338



50.2856, 24.5228, 78.1042



13.7379, 11.8025, 9.9724



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.



36.0172, 19.0426, 2.2676



41.3397, 21.4593, 1.9632



44.3446, 35.6975, 5.0434



15.8184, 15.8500, 16.3753



19.7432, 10.2845, 0.9445



1.6584, 0.8875, 0.0839

Inverse Universe

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



44.3607, 63.4764, 91.5749



50.9501, 73.0202, 106.0167



22.5182, 19.7913, 84.2941



16.1957, 17.8256, 20.3087



24.3297, 34.8836, 50.5788



2.0391, 2.9323, 4.2127

Previews

White Background



This preview shows how the XYZ color 36.0168, 19.0414, 2.2673 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 36.0168, 19.0414, 2.2673 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 36.0168, 19.0414, 2.2673

Background



This preview shows how black text looks on a background with the XYZ color 36.0168, 19.0414, 2.2673.



This preview shows how white text looks on a background with the XYZ color 36.0168, 19.0414,

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

36.0168, 19.0414, 2.2673

Protanopia

17.4468, 19.2869, 4.5535

Deuteranopia

19.3823, 19.2631, 2.6966



Tritanopia

36.0025, 19.0357, 2.1922

Trichromacy



Original Color

36.0168, 19.0414, 2.2673

Protanomaly

20.7831, 15.6285, 3.0836

Deuteranomaly

22.8933, 16.3900, 2.1293

Tritanomaly

36.0095, 19.0385, 2.2288

Monochromacy



Original Color

36.0168, 19.0414, 2.2673

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

13.8310, 9.7545, 5.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0168, 19.0414, 2.2673 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, 24, 16)` looks like.

```
.text, #text, p{  
    color:rgb(239, 24, 16)  
}
```

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, 24, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 24, 16) }
```

Border

The CSS property to change the border of an element to XYZ 36.0168, 19.0414, 2.2673 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, 24, 16) }
```


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

```
.border{ border-color:rgb(239, 24, 16) }
```

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

Here you see how a box with a 4 pixel rgb(239, 24, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 24, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 24, 16);  
box-shadow:4px 4px 4px 4px rgb(239, 24,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0168, 19.0414, 2.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 24, 16) }
```

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

```
.background{ background-color: rgb(239, 24,  
16) }
```

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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