

Converting Colors

XYZ(36.3667, 18.9712, 3.1116)

Have a look what the booklet for
XYZ(36.3667, 18.9712, 3.1116)
contains.

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Color

**XYZ(36.3667, 18.9712,
3.1116)**

Conversions

Conversions Part 1

Format	Color
Hex	F00F20
RGB	240, 15, 32
RGB Percent	94%, 6%, 13%
CMY	0.0588, 0.9410, 0.8745
CMYK	0.00, 0.94, 0.87, 0.06
HSL	355°, 88%, 50%
HSV	355°, 94%, 94%
XYZ	36.3667, 18.9712, 3.1116
YIQ	84.2130, 128.6430, 52.9870

Conversions

Conversions Part 2

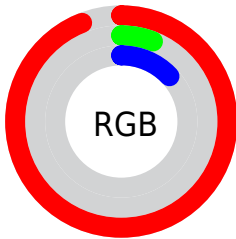
Format	Color
R _{YB}	240, 15, 32
Decimal	15732512
CIE Lab	50.65, 75.69, 53.77
CIE LCh	51, 92.845, 35.392
Yxy	18.9712, 0.6222, 0.3246
Android (android.graphics.Color)	4293922592 (0xFFFF00F20)
YUV	84.2130, -25.7410, 136.6252
Hunter-Lab	43.5559, 72.8143, 26.2535

Details

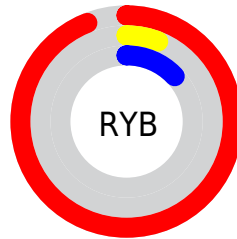
The XYZ color **36.3667, 18.9712, 3.1116** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **44.6832, 67.7518, 80.5673**, and the grayscale version is **8.5092, 8.9523, 9.7490**.

A 20% lighter version of the original color is **46.9260, 30.3739, 10.7866**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.0448, 18.5691, 2.2604**, and if you desaturate by 10%, it is **37.3324, 20.2475, 5.4543**.

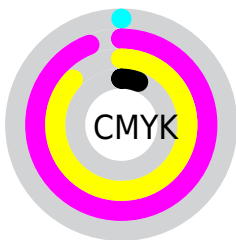
Distribution



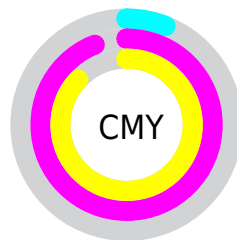
- Red (94%)
- Green (6%)
- Blue (13%)



- Red (94%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (94%)
- Yellow (87%)
- Black (6%)





- Cyan (6%)
- Magenta (94%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3667, 18.9712, 3.1116 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 36.3667, 18.9712, 3.1116 by changing the saturation by 10% instead.


 36.3667, 18.9712,
3.1116


 36.3667, 18.9712,
3.1116


321.9638,
246.2897, 137.7696


 24.8890, 11.6495,
1.1519


 68.9179, 41.6854,
11.9026


 16.1226, 6.5055,
0.0000


 90.7220, 57.8467,
19.5710


 9.7024, 3.1548,
0.0000


 116.6990, 77.7233,
29.9793

 5.2628, 1.2131,
0.0000

 147.2141,
101.6996, 43.5462

 2.4386, 0.0723,
0.0000

 182.6328,
130.1600, 60.6901


 0.8644, 0.0000,
0.0000


 223.3205,


 0.0000, 0.0000,


163.4889, 81.8296


0.0000


 269.6423,
202.0707, 107.3832


 36.3667, 18.9712,
3.1116


 36.3667, 18.9712,
3.1116


 36.0448, 18.5691,
2.2604

 37.3324, 20.2475,
5.4543

 39.0329, 22.6126,
9.2150

 41.5788, 26.2420,
14.5718

 45.0614, 31.2792,
21.6765

 49.5602, 37.8483,
30.6630

■ 55.1463, 46.0599,
41.6521

■ 61.8843, 56.0142,
54.7548

■ 69.8338, 67.8037,
70.0736

■ 79.0502, 81.5140,
87.7046

Harmonies

Analogous

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



41.6358, 18.9712, 16.2997



36.3667, 18.9712, 3.1116



26.3344, 18.9712, 0.2042

Triad

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



36.3667, 18.9712, 3.1116



6.3502, 18.9712, 6.0358



19.7248, 18.9712, 121.3415

Complementary

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



36.3667, 18.9712, 3.1116



44.6832, 67.7518, 80.5673

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.



11.6878, 18.9712, 107.7972



36.3667, 18.9712, 3.1116



5.6264, 18.9712, 25.7276

Square

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



36.3667, 18.9712, 3.1116



9.6836, 18.9712, 0.8142



7.2052, 18.9712, 65.3375



30.1696, 18.9712, 94.2525

Rectangle

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



36.3667, 18.9712, 3.1116



19.4727, 18.9712, 0.0000



7.2052, 18.9712, 65.3375



16.6633, 18.9712, 121.5361

Sweetspot

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



36.3671, 18.9724, 3.1119



67.4807, 59.0483, 55.9740



45.7955, 22.0462, 84.2790



13.7464, 11.6094, 10.6227



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.



36.3671, 18.9724, 3.1119



41.3594, 21.3078, 2.5588



41.4664, 29.4497, 3.9526



15.8211, 15.7782, 16.6143



19.7496, 10.1723, 1.3322



1.6596, 0.8529, 0.1986

Inverse Universe

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



36.3671, 18.9724, 3.1119



41.3594, 21.3078, 2.5588



26.2463, 27.0342, 86.2722



15.8211, 15.7782, 16.6143



19.7496, 10.1723, 1.3322



1.6596, 0.8529, 0.1986

Previews

White Background



This preview shows how the XYZ color 36.3667, 18.9712, 3.1116 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 36.3667, 18.9712, 3.1116 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 36.3667, 18.9712, 3.1116

Background



This preview shows how black text looks on a background with the XYZ color 36.3667, 18.9712, 3.1116.



This preview shows how white text looks on a background with the XYZ color 36.3667, 18.9712,

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

36.3667, 18.9712, 3.1116

Protanopia

17.6171, 19.3363, 6.2938

Deuteranopia

19.4572, 19.1315, 2.6672



Tritanopia

36.2033, 19.0616, 1.7711

Trichromacy



Original Color

36.3667, 18.9712, 3.1116



Protanomaly

20.8200, 15.2680, 4.4345



Deuteranomaly

22.8699, 15.9328, 2.2178



Tritanomaly

36.2344, 19.0176, 2.1088

Monochromacy



Original Color

36.3667, 18.9712, 3.1116



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.5026, 9.1723, 6.0598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3667, 18.9712, 3.1116 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, 15, 32)` looks like.

```
.text, #text, p{  
    color:rgb(240, 15, 32)  
}
```

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, 15, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 15, 32) }
```

Border

The CSS property to change the border of an element to XYZ 36.3667, 18.9712, 3.1116 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, 15, 32) }
```


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

```
.border{ border-color:rgb(240, 15, 32) }
```

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

Here you see how a box with a 4 pixel rgb(240, 15, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 15, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 15, 32);  
box-shadow:4px 4px 4px 4px rgb(240, 15,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3667, 18.9712, 3.1116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 15, 32) }
```

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

```
.background{ background-color: rgb(240, 15,  
32) }
```

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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