

Converting Colors

XYZ(36.1882, 18.8028, 1.7220)

Have a look what the booklet for
XYZ(36.1882, 18.8028, 1.7220)
contains.

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Color

**XYZ(36.0329, 18.7206,
1.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	F00900
RGB	240, 9, 0
RGB Percent	94%, 4%, 0%
CMY	0.0588, 0.9645, 1.0000
CMYK	0.00, 0.96, 1.00, 0.06
HSL	2°, 100%, 47%
HSV	2°, 100%, 94%
XYZ	36.0329, 18.7206, 1.7143
YIQ	77.0430, 140.5650, 46.1730

Conversions

Conversions Part 2

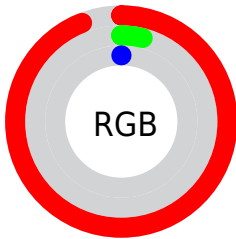
Format	Color
RYB	240, 9, 0
Decimal	15730944
CIELab	50.36, 75.84, 64.28
CIELCh	50, 99.423, 40.284
Yxy	18.7206, 0.6381, 0.3315
Android (android.graphics.Color)	4293921024 (0xFFFF00900)
YUV	77.0430, -37.9822, 142.9133
Hunter-Lab	43.2673, 72.9365, 27.9380

Details

The XYZ color **36.0329, 18.7206, 1.7143** 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 **44.2877, 63.4104, 92.3428**, and the grayscale version is **7.1183, 7.4890, 8.1555**.

A 20% lighter version of the original color is **46.0707, 29.7398, 7.1831**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.0333, 18.7218, 1.7145**, and if you desaturate by 10%, it is **36.6205, 19.6324, 2.7235**.

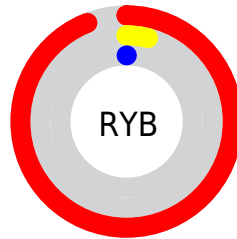
Distribution



Red (94%)

Green (4%)

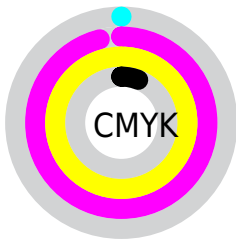
Blue (0%)



Red (94%)

Yellow (4%)

Blue (0%)

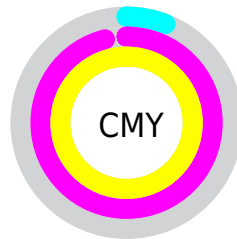


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0329, 18.7206, 1.7143 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 36.0329, 18.7206, 1.7143 by changing the saturation by 10% instead.

 36.0329, 18.7206,
1.7143


 36.0329, 18.7206,
1.7143


 320.5331,
244.9019, 117.7697


 24.6298, 11.4686,
0.3705


 68.4064, 41.2614,
8.2439

 15.9287, 6.3829,
0.0000


 90.1075, 57.3190,
14.3803


 9.5643, 3.0793,
0.0000


 115.9720, 77.0806,
22.9892

 5.1711, 1.1733,
0.0000

 146.3653,
100.9306, 34.4891

 2.3838, 0.0397,
0.0000

 181.6527,
129.2533, 49.2986

 0.8370, 0.0000,
0.0000


 222.1995,


 0.0000, 0.0000,


162.4331, 67.8362


0.0000


 268.3712,
200.8546, 90.5203


 36.0329, 18.7206,
1.7143


 36.0329, 18.7206,
1.7143


 36.0333, 18.7218,
1.7145

 36.6205, 19.6324,
2.7235

 37.8465, 21.4945,
4.9506

 39.8534, 24.4905,
8.7577

 42.7424, 28.7619,
14.3655

 46.5994, 34.4297,
21.9592

■ 51.5001, 41.6009,
31.7014

■ 57.5127, 50.3718,
43.7378

■ 64.6996, 60.8311,
58.2013

■ 73.1185, 73.0606,
75.2147

Harmonies

Analogous

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



43.0060, 18.7206, 12.2924



36.0329, 18.7206, 1.7143



24.8157, 18.7206, 0.0000

Triad

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



36.0329, 18.7206, 1.7143



5.4185, 18.7206, 7.1984



21.3157, 18.7206, 130.1173

Complementary

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



36.0329, 18.7206, 1.7143



44.2877, 63.4104, 92.3428

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.



12.2391, 18.7206, 122.4891



36.0329, 18.7206, 1.7143



5.0688, 18.7206, 31.4183

Square

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



36.0329, 18.7206, 1.7143



8.2906, 18.7206, 0.7677



7.0604, 18.7206, 77.6632



32.6888, 18.7206, 93.7318

Rectangle

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



36.0329, 18.7206, 1.7143



17.7016, 18.7206, 0.0000



7.0604, 18.7206, 77.6632



17.8855, 18.7206, 133.0748

Sweetspot

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



36.0333, 18.7218, 1.7145



65.9289, 57.6999, 50.0455



50.5004, 24.3513, 78.3821



13.4536, 11.3911, 9.3927



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.



36.0333, 18.7218, 1.7145



41.3445, 21.4689, 1.9648



43.6542, 33.9636, 4.2548



15.8206, 15.8544, 16.3761



19.7467, 10.2914, 0.9457



1.6595, 0.8896, 0.0842

Inverse Universe

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



44.2877, 63.4104, 92.3428



50.8163, 72.7527, 105.9721



21.5223, 17.8797, 84.7543



16.1933, 17.8206, 20.3079



24.2671, 34.7583, 50.5579



2.0346, 2.9232, 4.2112

Previews

White Background



This preview shows how the XYZ color 36.0329, 18.7206, 1.7143 looks on a white background.

Color Contrast Check

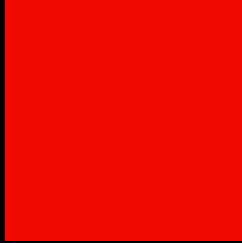
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0329, 18.7206, 1.7143 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 36.0329, 18.7206, 1.7143

Background



This preview shows how black text looks on a background with the XYZ color 36.0329, 18.7206, 1.7143.



This preview shows how white text looks on a background with the XYZ color 36.0329, 18.7206,

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

36.0329, 18.7206, 1.7143

Protanopia

17.2380, 19.0079, 4.0567

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5468, 18.7510, 1.7458

Trichromacy



Original Color

36.0329, 18.7206, 1.7143

Protanomaly

20.4505, 14.7865, 2.4380

Deuteranomaly

22.5920, 15.4832, 1.7978

Tritanomaly

35.7971, 18.7516, 1.7327

Monochromacy



Original Color

36.0329, 18.7206, 1.7143

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.9357, 7.9120, 3.8038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0329, 18.7206, 1.7143 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, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 9, 0)  
}
```

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, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 9, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0329, 18.7206, 1.7143 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, 9, 0) }
```


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

```
.border{ border-color:rgb(240, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(240, 9, 0); box-shadow:4px  
4px 4px 4px rgb(240, 9, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0329, 18.7206, 1.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 9, 0) }
```

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

```
.background{ background-color: rgb(240, 9,  
0) }
```

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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