

Converting Colors

XYZ(36.0333, 18.5528, 2.7298)

Have a look what the booklet for
XYZ(36.0333, 18.5528, 2.7298)
contains.

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Color

**XYZ(36.1330, 18.6044,
2.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	F0001B
RGB	240, 0, 27
RGB Percent	94%, 0%, 11%
CMY	0.0588, 0.9998, 0.8941
CMYK	0.00, 1.00, 0.89, 0.06
HSL	353°, 100%, 47%
HSV	353°, 100%, 94%
XYZ	36.1330, 18.6044, 2.7235
YIQ	74.8380, 134.3730, 59.2770

Conversions

Conversions Part 2

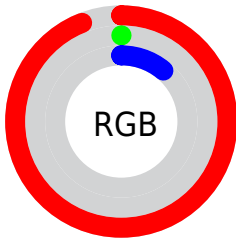
Format	Color
RYB	240, 0, 27
Decimal	15728667
CIELab	50.22, 76.77, 55.68
CIELCh	50, 94.840, 35.954
Yxy	18.6044, 0.6288, 0.3238
Android (android.graphics.Color)	4293918747 (0xFFFF001B)
YUV	74.8380, -23.5841, 144.8471
Hunter-Lab	43.1328, 74.0497, 26.4493

Details

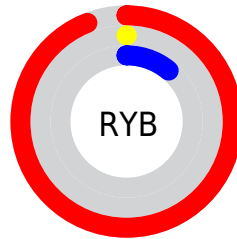
The XYZ color **36.1330, 18.6044, 2.7235** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **43.1786, 67.1272, 73.6724**, and the grayscale version is **6.6889, 7.0373, 7.6636**.

A 20% lighter version of the original color is **46.4244, 29.5967, 9.9225**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.1321, 18.6040, 2.7201**, and if you desaturate by 10%, it is **36.8026, 19.3969, 4.6338**.

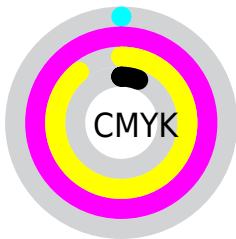
Distribution



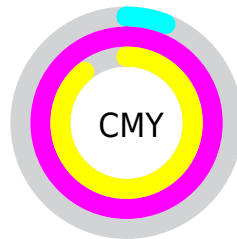
- Red (94%)
- Green (0%)
- Blue (11%)



- Red (94%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1330, 18.6044, 2.7235 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 36.1330, 18.6044, 2.7235 by changing the saturation by 10% instead.


 36.1330, 18.6044,
2.7235


 36.1330, 18.6044,
2.7235


320.9626,
244.2560, 132.7571


 24.7075, 11.3848,
0.9552


 68.5598, 41.0645,
10.9382

 15.9868, 6.3263,
0.0000


 90.2919, 57.0739,
18.2217


 9.6056, 3.0445,
0.0000


 116.1902, 76.7819,
28.1807

 5.1985, 1.1550,
0.0000

 146.6201,
100.5730, 41.2337

 2.4002, 0.0245,
0.0000

 181.9469,
128.8315, 57.7994


 0.8452, 0.0000,
0.0000


 222.5360,


 0.0000, 0.0000,


161.9420, 78.2961


0.0000


 268.7528,
200.2887, 103.1425


 36.1330, 18.6044,
2.7235


 36.1330, 18.6044,
2.7235


 36.1321, 18.6040,
2.7201

 36.8026, 19.3969,
4.6338

 38.0876, 21.0814,
7.7919

 40.1410, 23.9218,
12.3804

 43.0604, 28.0770,
18.5440

 46.9290, 33.6810,
26.4095

■ 51.8199, 40.8513,
36.0907

■ 57.7991, 49.6933,
47.6915

■ 64.9271, 60.3031,
61.3079

■ 73.2597, 72.7697,
77.0296

Harmonies

Analogous

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



41.6459, 18.6044, 15.4592



36.1330, 18.6044, 2.7235



25.8815, 18.6044, 0.0000

Triad

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



36.1330, 18.6044, 2.7235



5.9765, 18.6044, 5.8643



19.5749, 18.6044, 123.3697

Complementary

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



36.1330, 18.6044, 2.7235



43.1786, 67.1272, 73.6724

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.



11.4292, 18.6044, 110.1688



36.1330, 18.6044, 2.7235



5.3071, 18.6044, 25.9572

Square

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



36.1330, 18.6044, 2.7235



9.2216, 18.6044, 0.6862



6.9082, 18.6044, 66.7005



30.1820, 18.6044, 94.7563

Rectangle

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



36.1330, 18.6044, 2.7235



18.9561, 18.6044, 0.0000



6.9082, 18.6044, 66.7005



16.4681, 18.6044, 123.8587

Sweetspot

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



36.1334, 18.6056, 2.7237



66.2392, 56.8918, 54.5536



42.8820, 20.2906, 84.0937



13.5245, 11.2090, 10.4148



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.



36.1334, 18.6056, 2.7237



41.4572, 21.3469, 3.0738



39.7657, 26.1862, 2.9603



15.8449, 15.7877, 16.7397



19.8033, 10.1937, 1.6146



1.6710, 0.8574, 0.2583

Inverse Universe

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



36.1334, 18.6056, 2.7237



41.4572, 21.3469, 3.0738



26.3224, 27.4788, 86.3540



15.8449, 15.7877, 16.7397



19.8033, 10.1937, 1.6146



1.6710, 0.8574, 0.2583

Previews

White Background



This preview shows how the XYZ color 36.1330, 18.6044, 2.7235 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 36.1330, 18.6044, 2.7235 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 36.1330, 18.6044, 2.7235

Background



This preview shows how black text looks on a background with the XYZ color 36.1330, 18.6044, 2.7235.



This preview shows how white text looks on a background with the XYZ color 36.1330, 18.6044,

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

36.1330, 18.6044, 2.7235

Protanopia

17.3625, 19.0390, 5.5561

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5468, 18.7510, 1.7458

Trichromacy



Original Color

36.1330, 18.6044, 2.7235

Protanomaly

20.2705, 14.3452, 3.7080

Deuteranomaly

22.4449, 15.1013, 2.0190

Tritanomaly

35.8084, 18.6867, 2.0067

Monochromacy



Original Color

36.1330, 18.6044, 2.7235

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.8123, 7.5703, 4.8416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1330, 18.6044, 2.7235 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 36.1330, 18.6044, 2.7235 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, 27) }
```


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

```
.border{ border-color:rgb(240, 0, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.1330, 18.6044, 2.7235 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, 27) }
```

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

```
.background{ background-color: rgb(240, 0,  
27) }
```

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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