

Converting Colors

XYZ(36.1805, 18.6116, 3.5045)

Have a look what the booklet for
XYZ(36.1805, 18.6116, 3.5045)
contains.

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Color

**XYZ(36.2850, 18.6652,
3.5240)**

Conversions

Conversions Part 1

Format	Color
Hex	F00026
RGB	240, 0, 38
RGB Percent	94%, 0%, 15%
CMY	0.0588, 0.9998, 0.8510
CMYK	0.00, 1.00, 0.84, 0.06
HSL	351°, 100%, 47%
HSV	351°, 100%, 94%
XYZ	36.2850, 18.6652, 3.5240
YIQ	76.0920, 130.8420, 62.6980

Conversions

Conversions Part 2

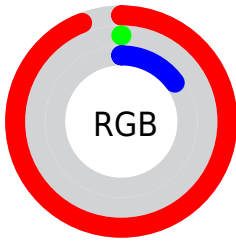
Format	Color
R_{YB}	240, 0, 38
Decimal	15728678
CIE _{Lab}	50.29, 76.97, 50.56
CIE _{LCh}	50, 92.091, 33.301
Yxy	18.6652, 0.6205, 0.3192
Android (android.graphics.Color)	4293918758 (0xFFFF0026)
YUV	76.0920, -18.7794, 143.7473
Hunter-Lab	43.2032, 74.3107, 25.4061

Details

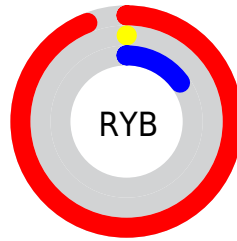
The XYZ color **36.2850, 18.6652, 3.5240** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.8285, 66.5872, 66.5632**, and the grayscale version is **6.9092, 7.2690, 7.9159**.

A 20% lighter version of the original color is **46.8824, 29.9213, 11.8987**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.2839, 18.6647, 3.5196**, and if you desaturate by 10%, it is **37.0317, 19.4885, 5.8403**.

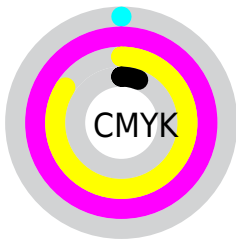
Distribution



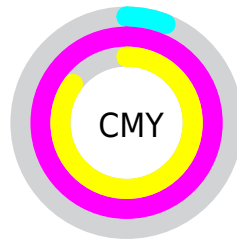
- Red (94%)
- Green (0%)
- Blue (15%)



- Red (94%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2850, 18.6652, 3.5240 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 36.2850, 18.6652, 3.5240 by changing the saturation by 10% instead.


 36.2850, 18.6652,
3.5240


 36.2850, 18.6652,
3.5240

321.6141,
244.5942, 142.7778


 24.8255, 11.4286,
1.3680


 68.7927, 41.1676,
12.8962

 16.0751, 6.3559,
0.1166


 90.5717, 57.2022,
20.9494


 9.6685, 3.0627,
0.0000


 116.5212, 76.9382,
31.8056

 5.2403, 1.1645,
0.0000

 147.0065,
100.7601, 45.8831

 2.4251, 0.0325,
0.0000

 182.3932,
129.0523, 63.6005

 0.8577, 0.0000,
0.0000

 223.0464,

 0.0000, 0.0000,

162.1991, 85.3764

0.0000

269.3316,
200.5849, 111.6294

■ 36.2850, 18.6652,
3.5240

■ 36.2850, 18.6652,
3.5240

■ 36.2839, 18.6647,
3.5196

■ 37.0317, 19.4885,
5.8403

■ 38.3843, 21.2001,
9.3541

■ 40.4900, 24.0614,
14.2185

■ 43.4424, 28.2298,
20.5556

■ 47.3209, 33.8378,
28.4732

■ 52.1956, 41.0016,
38.0692

■ 58.1298, 49.8255,
49.4330

■ 65.1815, 60.4048,
62.6479

■ 73.4044, 72.8275,
77.7918

Harmonies

Analogous

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



40.9653, 18.6652, 17.6235



36.2850, 18.6652, 3.5240



26.6171, 18.6652, 0.3104

Triad

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



36.2850, 18.6652, 3.5240



6.4055, 18.6652, 5.2778



18.7470, 18.6652, 119.3902

Complementary

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



36.2850, 18.6652, 3.5240



41.8285, 66.5872, 66.5632

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.



11.0962, 18.6652, 103.3783



36.2850, 18.6652, 3.5240



5.5354, 18.6652, 23.2855

Square

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



36.2850, 18.6652, 3.5240



9.8913, 18.6652, 0.6812



6.9196, 18.6652, 60.9847



28.9229, 18.6652, 95.2347

Rectangle

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



36.2850, 18.6652, 3.5240



19.8176, 18.6652, 0.0000



6.9196, 18.6652, 60.9847



15.8142, 18.6652, 118.5658

Sweetspot

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



36.2854, 18.6664, 3.5242



66.6196, 57.0439, 56.5567



39.5507, 18.5733, 83.9378



13.6115, 11.2438, 10.8727



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.



36.2854, 18.6664, 3.5242



41.6285, 21.4154, 3.9756



38.8069, 24.2686, 2.6407



15.8747, 15.7996, 16.8964



19.8936, 10.2299, 2.0904



1.6851, 0.8631, 0.3325

Inverse Universe

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



36.2854, 18.6664, 3.5242



41.6285, 21.4154, 3.9756



28.3031, 31.4402, 87.0142



15.8747, 15.7996, 16.8964



19.8936, 10.2299, 2.0904



1.6851, 0.8631, 0.3325

Previews

White Background



This preview shows how the XYZ color 36.2850, 18.6652, 3.5240 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 36.2850, 18.6652, 3.5240 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 36.2850, 18.6652, 3.5240

Background



This preview shows how black text looks on a background with the XYZ color 36.2850, 18.6652, 3.5240.



This preview shows how white text looks on a background with the XYZ color 36.2850, 18.6652,

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

36.2850, 18.6652, 3.5240

Protanopia

17.5112, 19.0800, 7.1747

Deuteranopia

19.4572, 19.1315, 2.6672



Tritanopia

35.8835, 18.9245, 1.7615

Trichromacy



Original Color

36.2850, 18.6652, 3.5240

Protanomaly

20.5301, 14.4490, 5.0750

Deuteranomaly

22.4694, 15.1111, 2.1479

Tritanomaly

35.8329, 18.6965, 2.1356

Monochromacy



Original Color

36.2850, 18.6652, 3.5240

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.0798, 7.6959, 5.4062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2850, 18.6652, 3.5240 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 36.2850, 18.6652, 3.5240 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, 38) }
```


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

```
.border{ border-color:rgb(240, 0, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2850, 18.6652, 3.5240 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, 38) }
```

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

```
.background{ background-color: rgb(240, 0,  
38) }
```

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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