

Converting Colors

XYZ(36.2152, 18.6255, 3.6872)

Have a look what the booklet for
XYZ(36.2152, 18.6255, 3.6872)
contains.

XYZ(36.3182, 18.6785, 3.6986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(36.3182, 18.6785,
3.6986)**

Conversions

Conversions Part 1

Format	Color
Hex	F00028
RGB	240, 0, 40
RGB Percent	94%, 0%, 16%
CMY	0.0588, 0.9998, 0.8431
CMYK	0.00, 1.00, 0.83, 0.06
HSL	350°, 100%, 47%
HSV	350°, 100%, 94%
XYZ	36.3182, 18.6785, 3.6986
YIQ	76.3200, 130.2000, 63.3200

Conversions

Conversions Part 2

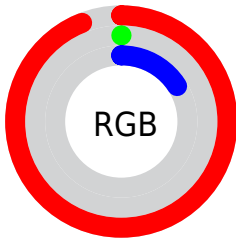
Format	Color
R_{YB}	240, 0, 40
Decimal	15728680
CIE _{Lab}	50.31, 77.01, 49.55
CIE _{LCh}	50, 91.577, 32.759
Yxy	18.6785, 0.6188, 0.3182
Android (android.graphics.Color)	4293918760 (0xFFFF0028)
YUV	76.3200, -17.9058, 143.5474
Hunter-Lab	43.2186, 74.3675, 25.1791

Details

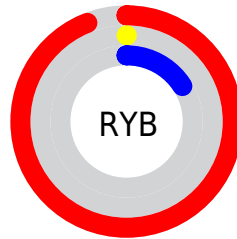
The XYZ color **36.3182, 18.6785, 3.6986** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.5932, 66.4931, 65.3239**, and the grayscale version is **6.9498, 7.3117, 7.9624**.

A 20% lighter version of the original color is **46.9630, 29.9535, 12.3232**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.3170, 18.6780, 3.6939**, and if you desaturate by 10%, it is **37.0786, 19.5073, 6.0867**.

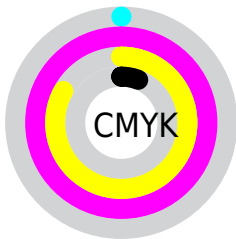
Distribution



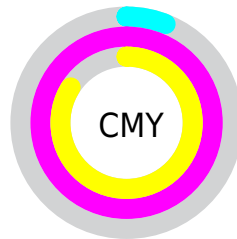
- Red (94%)
- Green (0%)
- Blue (16%)



- Red (94%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3182, 18.6785, 3.6986 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 36.3182, 18.6785, 3.6986 by changing the saturation by 10% instead.


 36.3182, 18.6785,
3.6986


 36.3182, 18.6785,
3.6986


321.7562,
244.6681, 144.8140

 24.8513, 11.4382,
1.4615


 68.8436, 41.1901,
13.3085


 16.0944, 6.3624,
0.1890


 90.6328, 57.2302,
21.5183

 9.6823, 3.0667,
0.0000


 116.5934, 76.9724,
32.5561

 5.2495, 1.1666,
0.0000

 147.0909,
100.8011, 46.8405

 2.4306, 0.0342,
0.0000

 182.4906,
129.1006, 64.7899

 0.8604, 0.0000,
0.0000

 223.1578,

 0.0000, 0.0000,

162.2553, 86.8229

0.0000

269.4579,
200.6497, 113.3581

■ 36.3182, 18.6785,
3.6986

■ 36.3182, 18.6785,
3.6986

■ 36.3170, 18.6780,
3.6939

■ 37.0786, 19.5073,
6.0867

■ 38.4428, 21.2235,
9.6619

■ 40.5574, 24.0884,
14.5725

■ 43.5150, 28.2589,
20.9370

■ 47.3945, 33.8674,
28.8601

■ 52.2656, 41.0298,
38.4369

■ 58.1910, 49.8503,
49.7545

■ 65.2285, 60.4239,
62.8941

■ 73.4312, 72.8387,
77.9316

Harmonies

Analogous

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



40.8355, 18.6785, 18.0745



36.3182, 18.6785, 3.6986



26.7660, 18.6785, 0.3719

Triad

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



36.3182, 18.6785, 3.6986



6.4928, 18.6785, 5.1669



18.5876, 18.6785, 118.6275

Complementary

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



36.3182, 18.6785, 3.6986



41.5932, 66.4931, 65.3239

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.



11.0318, 18.6785, 102.0823



36.3182, 18.6785, 3.6986



5.5813, 18.6785, 22.7824

Square

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



36.3182, 18.6785, 3.6986



10.0278, 18.6785, 0.6801



6.9221, 18.6785, 59.9020



28.6809, 18.6785, 95.3391

Rectangle

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



36.3182, 18.6785, 3.6986



19.9922, 18.6785, 0.0000



6.9221, 18.6785, 59.9020



15.6882, 18.6785, 117.5515

Sweetspot

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



36.3186, 18.6797, 3.6988



66.6897, 57.0720, 56.9260



39.5508, 18.5733, 83.9379



13.6275, 11.2503, 10.9574



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.



36.3186, 18.6797, 3.6988



41.6659, 21.4304, 4.1729



38.8070, 24.2687, 2.6408



15.8801, 15.8018, 16.9250



19.9130, 10.2376, 2.1927



1.6876, 0.8641, 0.3460

Inverse Universe

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



36.3186, 18.6797, 3.6988



41.6659, 21.4304, 4.1729



28.3032, 31.4404, 87.0143



15.8801, 15.8018, 16.9250



19.9130, 10.2376, 2.1927



1.6876, 0.8641, 0.3460

Previews

White Background



This preview shows how the XYZ color 36.3182, 18.6785, 3.6986 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 36.3182, 18.6785, 3.6986 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 36.3182, 18.6785, 3.6986

Background



This preview shows how black text looks on a background with the XYZ color 36.3182, 18.6785, 3.6986.



This preview shows how white text looks on a background with the XYZ color 36.3182, 18.6785,

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

36.3182, 18.6785, 3.6986

Protanopia

17.7165, 19.3576, 7.6531

Deuteranopia

19.3402, 19.0628, 3.0409

Trichromacy



Original Color

36.3182, 18.6785, 3.6986

Protanomaly

20.6476, 14.6089, 5.3460

Deuteranomaly

22.5448, 15.1412, 2.5449

Monochromacy



Original Color

36.3182, 18.6785, 3.6986

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.1075, 7.7070, 5.5521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3182, 18.6785, 3.6986 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 36.3182, 18.6785, 3.6986 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, 40) }
```

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

```
.border{ border-color:rgb(240, 0, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 40)  
}
```


Background

The CSS property to change the background color of an element to XYZ 36.3182, 18.6785, 3.6986 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, 40) }
```

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

```
.background{ background-color: rgb(240, 0,  
40) }
```

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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