

Converting Colors

XYZ(36.3839, 18.7441, 2.2689)

Have a look what the booklet for
XYZ(36.3839, 18.7441, 2.2689)
contains.

XYZ(36.3848, 18.7444, 2.2726)	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>	31

Color

**XYZ(36.3848, 18.7444,
2.2726)**

Conversions

Conversions Part 1

Format	Color
Hex	F10012
RGB	241, 0, 18
RGB Percent	95%, 0%, 7%
CMY	0.0549, 0.9998, 0.9294
CMYK	0.00, 1.00, 0.93, 0.05
HSL	356°, 100%, 47%
HSV	356°, 100%, 95%
XYZ	36.3848, 18.7444, 2.2726
YIQ	74.1110, 137.8580, 56.6900

Conversions

Conversions Part 2

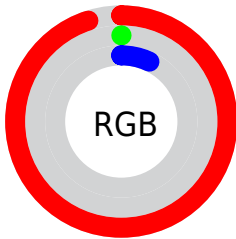
Format	Color
RYB	241, 0, 18
Decimal	15794194
CIELab	50.39, 76.90, 59.39
CIELCh	50, 97.164, 37.682
Yxy	18.7444, 0.6339, 0.3265
Android (android.graphics.Color)	4293984274 (0xFFFF10012)
YUV	74.1110, -27.6627, 146.3617
Hunter-Lab	43.2948, 74.2449, 27.1942

Details

The XYZ color **36.3848, 18.7444, 2.2726** 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 **44.7830, 68.2414, 80.6651**, and the grayscale version is **6.5649, 6.9068, 7.5215**.

A 20% lighter version of the original color is **46.2861, 29.6828, 8.7586**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.3841, 18.7441, 2.2702**, and if you desaturate by 10%, it is **36.9935, 19.5158, 3.8520**.

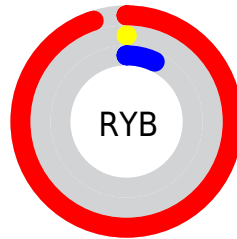
Distribution



Red (95%)

Green (0%)

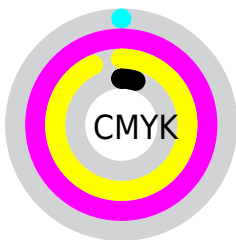
Blue (7%)



Red (95%)

Yellow (0%)

Blue (7%)

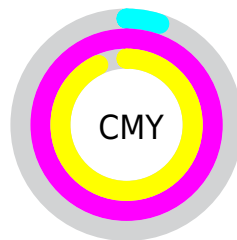


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3848, 18.7444, 2.2726 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 36.3848, 18.7444, 2.2726 by changing the saturation by 10% instead.


 36.3848, 18.7444,
2.2726


 36.3848, 18.7444,
2.2726


322.0413,
245.0341, 126.4756


 24.9030, 11.4857,
0.7158


 68.9456, 41.3017,
9.7735


 16.1332, 6.3945,
0.0000


 90.7553, 57.3692,
16.5754


 9.7099, 3.0864,
0.0000


 116.7383, 77.1417,
25.9697

 5.2678, 1.1770,
0.0000

 147.2601,
101.0037, 38.3749

 2.4416, 0.0428,
0.0000

 182.6859,
129.3396, 54.2096


 0.8659, 0.0000,
0.0000


 223.3812,


 0.0000, 0.0000,


162.5336, 73.8922


0.0000


 269.7112,
200.9703, 97.8414


 36.3848, 18.7444,
2.2726


 36.3848, 18.7444,
2.2726


 36.3841, 18.7441,
2.2702

 36.9935, 19.5158,
3.8520

 38.2294, 21.1904,
6.7212

 40.2524, 24.0366,
11.0950

 43.1659, 28.2168,
17.1426

 47.0570, 33.8677,
25.0102

■ 52.0027, 41.1091,
34.8282

■ 58.0721, 50.0486,
46.7149

■ 65.3287, 60.7842,
60.7793

■ 73.8310, 73.4067,
77.1226

Harmonies

Analogous

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



42.5331, 18.7444, 14.2204



36.3848, 18.7444, 2.2726



25.6349, 18.7444, 0.0000

Triad

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



36.3848, 18.7444, 2.2726



5.7485, 18.7444, 6.3505



20.3537, 18.7444, 127.4054

Complementary

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



36.3848, 18.7444, 2.2726



44.7830, 68.2414, 80.6651

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.



11.7745, 18.7444, 116.1357



36.3848, 18.7444, 2.2726



5.2037, 18.7444, 28.1752

Square

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



36.3848, 18.7444, 2.2726



8.8655, 18.7444, 0.6975



6.9669, 18.7444, 71.5194



31.3717, 18.7444, 95.3693

Rectangle

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



36.3848, 18.7444, 2.2726



18.5603, 18.7444, 0.0000



6.9669, 18.7444, 71.5194



17.0919, 18.7444, 128.8479

Sweetspot

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



36.3852, 18.7456, 2.2728



65.9324, 56.7691, 52.9378



45.6724, 21.7119, 85.0021



13.4547, 11.1811, 10.0471



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.



36.3852, 18.7456, 2.2728



41.3574, 21.3070, 2.5484



40.8763, 27.9019, 3.2329



15.8205, 15.7779, 16.6112



19.7485, 10.1718, 1.3264



1.6594, 0.8528, 0.1971

Inverse Universe

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



36.3852, 18.7456, 2.2728



41.3574, 21.3070, 2.5484



25.3450, 25.2855, 86.7632



15.8205, 15.7779, 16.6112



19.7485, 10.1718, 1.3264



1.6594, 0.8528, 0.1971

Previews

White Background



This preview shows how the XYZ color 36.3848, 18.7444, 2.2726 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 36.3848, 18.7444, 2.2726 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 36.3848, 18.7444, 2.2726

Background



This preview shows how black text looks on a background with the XYZ color 36.3848, 18.7444, 2.2726.



This preview shows how white text looks on a background with the XYZ color 36.3848, 18.7444,

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

36.3848, 18.7444, 2.2726

Protanopia

17.4791, 19.2998, 4.7234

Deuteranopia

19.3823, 19.2631, 2.6966



Tritanopia

35.8835, 18.9245, 1.7615

Trichromacy



Original Color

36.3848, 18.7444, 2.2726



Protanomaly

20.4273, 14.5464, 3.0274



Deuteranomaly

22.4947, 15.2272, 1.9546



Tritanomaly

36.1306, 18.8547, 1.9360

Monochromacy



Original Color

36.3848, 18.7444, 2.2726



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

11.6740, 7.4503, 4.3128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3848, 18.7444, 2.2726 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(241, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(241, 0, 18)  
}
```

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(241, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 36.3848, 18.7444, 2.2726 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(241, 0, 18) }
```


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

```
.border{ border-color:rgb(241, 0, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 0, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(241, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3848, 18.7444, 2.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 0, 18) }
```

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

```
.background{ background-color: rgb(241, 0,  
18) }
```

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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