

Converting Colors

XYZ(35.9755, 18.7642, 1.7279)

Have a look what the booklet for
XYZ(35.9755, 18.7642, 1.7279)
contains.

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Color

**XYZ(36.0791, 18.8131,
1.7297)**

Conversions

Conversions Part 1

Format	Color
Hex	F00D00
RGB	240, 13, 0
RGB Percent	94%, 5%, 0%
CMY	0.0588, 0.9488, 1.0000
CMYK	0.00, 0.95, 1.00, 0.06
HSL	3°, 100%, 47%
HSV	3°, 100%, 94%
XYZ	36.0791, 18.8131, 1.7297
YIQ	79.3910, 139.4650, 44.0810

Conversions

Conversions Part 2

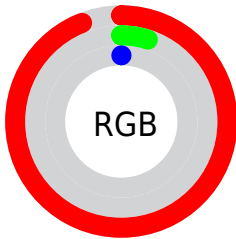
Format	Color
RYB	240, 14, 0
Decimal	15731968
CIELab	50.47, 75.53, 64.32
CIELCh	50, 99.207, 40.419
Yxy	18.8131, 0.6372, 0.3323
Android (android.graphics.Color)	4293922048 (0xFFFF00D00)
YUV	79.3910, -39.1398, 140.8541
Hunter-Lab	43.3741, 72.5739, 27.9974

Details

The XYZ color **36.0791, 18.8131, 1.7297** 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 **43.1828, 61.2006, 91.9743**, and the grayscale version is **7.5668, 7.9609, 8.6694**.

A 20% lighter version of the original color is **46.1614, 29.9211, 7.2133**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.0795, 18.8143, 1.7299**, and if you desaturate by 10%, it is **36.7230, 19.8376, 2.7577**.

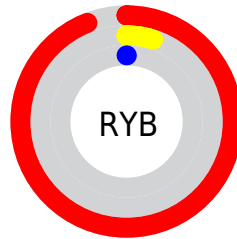
Distribution



Red (94%)

Green (5%)

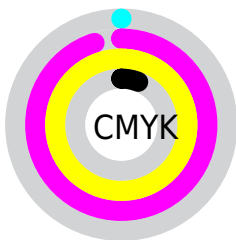
Blue (0%)



Red (94%)

Yellow (5%)

Blue (0%)

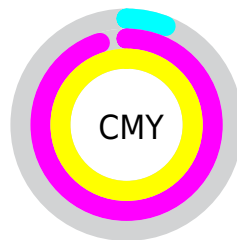


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0791, 18.8131, 1.7297 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 36.0791, 18.8131, 1.7297 by changing the saturation by 10% instead.


 36.0791, 18.8131,
1.7297


 36.0791, 18.8131,
1.7297


 320.7314,
245.4150, 118.0274


 24.6657, 11.5353,
0.3810


 68.4772, 41.4180,
8.2877

 15.9556, 6.4281,
0.0000


 90.1926, 57.5140,
14.4438


 9.5834, 3.1071,
0.0000


 116.0727, 77.3181,
23.0760

 5.1837, 1.1879,
0.0000

 146.4829,
101.2148, 34.6028

 2.3913, 0.0518,
0.0000

 181.7885,
129.5884, 49.4429

 0.8408, 0.0000,
0.0000


 222.3549,


 0.0000, 0.0000,


162.8234, 68.0146


0.0000


 268.5474,
201.3041, 90.7366


 36.0791, 18.8131,
1.7297


 36.0791, 18.8131,
1.7297

 36.0795, 18.8143,
1.7299

 36.7230, 19.8376,
2.7577

 38.0038, 21.8094,
5.0030

 40.0572, 24.8982,
8.8256

 42.9796, 29.2364,
14.4444

 46.8534, 34.9379,
22.0437

■ 51.7514, 42.1036,
31.7849

■ 57.7393, 50.8253,
43.8130

■ 64.8773, 61.1868,
58.2601

■ 73.2212, 73.2662,
75.2484

Harmonies

Analogous

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



43.0787, 18.8131, 12.2912



36.0791, 18.8131, 1.7297



24.8571, 18.8131, 0.0000

Triad

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



36.0791, 18.8131, 1.7297



5.4689, 18.8131, 7.3276



21.4553, 18.8131, 129.9958

Complementary

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



36.0791, 18.8131, 1.7297



43.1828, 61.2006, 91.9743

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.



12.3504, 18.8131, 122.6014



36.0791, 18.8131, 1.7297



5.1276, 18.8131, 31.6896

Square

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



36.0791, 18.8131, 1.7297



8.3391, 18.8131, 0.8029



7.1399, 18.8131, 77.9590



32.8314, 18.8131, 93.5434

Rectangle

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



36.0791, 18.8131, 1.7297



17.7459, 18.8131, 0.0000



7.1399, 18.8131, 77.9590



18.0174, 18.8131, 133.0207

Sweetspot

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



36.0795, 18.8143, 1.7299



66.1897, 58.2215, 50.1325



49.9384, 24.1265, 75.4231



13.5127, 11.5092, 9.4124



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.



36.0795, 18.8143, 1.7299



41.3953, 21.5705, 1.9818



44.1861, 35.0276, 4.4322



15.8418, 15.8966, 16.3831



19.7798, 10.3578, 0.9567



1.6696, 0.9099, 0.0876

Inverse Universe

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



43.1828, 61.2006, 91.9743



49.5445, 70.2090, 105.5482



21.0906, 17.0164, 84.6103



16.1694, 17.7730, 20.2999



23.6717, 33.5676, 50.3594



1.9916, 2.8372, 4.1969

Previews

White Background



This preview shows how the XYZ color 36.0791, 18.8131, 1.7297 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 36.0791, 18.8131, 1.7297 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 36.0791, 18.8131, 1.7297

Background



This preview shows how black text looks on a background with the XYZ color 36.0791, 18.8131, 1.7297.



This preview shows how white text looks on a background with the XYZ color 36.0791, 18.8131,

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

36.0791, 18.8131, 1.7297

Protanopia

17.3602, 19.2522, 4.0974

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.8835, 18.9245, 1.7615

Trichromacy



Original Color

36.0791, 18.8131, 1.7297

Protanomaly

20.5991, 15.0838, 2.4876

Deuteranomaly

22.7320, 15.7631, 1.8445

Tritanomaly

35.8295, 18.8165, 1.7435

Monochromacy



Original Color

36.0791, 18.8131, 1.7297

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.4231, 8.3659, 3.9776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0791, 18.8131, 1.7297 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, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 13, 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, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.0791, 18.8131, 1.7297 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, 13, 0) }
```


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

```
.border{ border-color:rgb(240, 13, 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, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.0791, 18.8131, 1.7297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 13, 0) }
```

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

```
.background{ background-color: rgb(240, 13,  
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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