

Converting Colors

XYZ(36.5672, 19.5091, 2.2796)

Have a look what the booklet for
XYZ(36.5672, 19.5091, 2.2796)
contains.

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Color

**XYZ(36.4608, 19.4385,
2.2822)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F01D0F |
| RGB | 240, 29, 15 |
| RGB Percent | 94%, 11%, 6% |
| CMY | 0.0588, 0.8862, 0.9412 |
| CMYK | 0.00, 0.88, 0.94, 0.06 |
| HSL | 4°, 88%, 50% |
| HSV | 4°, 94%, 94% |
| XYZ | 36.4608, 19.4385, 2.2822 |
| YIQ | 90.4930, 130.2500, 40.3780 |

Conversions

Conversions Part 2

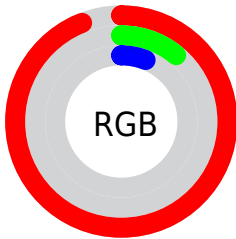
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 240, 30, 15 |
| Decimal | 15736079 |
| CIE _{Lab} | 51.20, 73.66, 60.71 |
| CIE _{LCh} | 51, 95.456, 39.496 |
| Yxy | 19.4385, 0.6267, 0.3341 |
| Android (android.graphics.Color) | 4293926159 (0xFFFF01D0F) |
| YUV | 90.4930, -37.2180, 131.1176 |
| Hunter-Lab | 44.0891, 70.4599, 27.7933 |

Details

The XYZ color **36.4608, 19.4385, 2.2822** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **43.1136, 60.7698, 91.8949**, and the grayscale version is **9.8931, 10.4083, 11.3346**.

A 20% lighter version of the original color is **47.0045, 31.1680, 8.8488**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.1052, 18.8657, 1.7385**, and if you desaturate by 10%, it is **37.5083, 21.0860, 4.0126**.

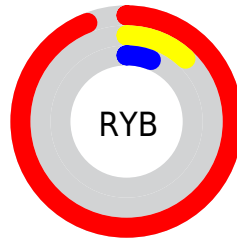
Distribution



Red (94%)

Green (11%)

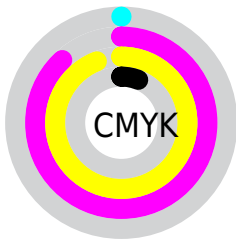
Blue (6%)



Red (94%)

Yellow (12%)

Blue (6%)

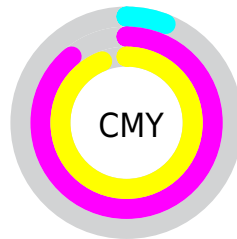


Cyan (0%)

Magenta (88%)

Yellow (94%)

Black (6%)



Cyan (6%)


Magenta (89%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4608, 19.4385, 2.2822 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 36.4608, 19.4385, 2.2822 by changing the saturation by 10% instead.

 36.4608, 19.4385,
2.2822


 36.4608, 19.4385,
2.2822


322.3664,
248.8589, 126.6154


 24.9620, 11.9876,
0.7212


 69.0619, 42.4738,
9.7989

 16.1774, 6.7352,
0.0000


 90.8950, 58.8269,
16.6115

 9.7414, 3.2971,
0.0000


 116.9036, 78.9161,
26.0184

 5.2888, 1.2887,
0.0000

 147.4531,
103.1260, 38.4381

 2.4542, 0.1324,
0.0000

 182.9087,
131.8408, 54.2891


 0.8722, 0.0000,
0.0000


 223.6359,


 0.0000, 0.0000,


165.4450, 73.9899


0.0000


 270.0000,
204.3229, 97.9592


 36.4608, 19.4385,
2.2822


 36.4608, 19.4385,
2.2822


 36.1052, 18.8657,
1.7385

 37.5083, 21.0860,
4.0126

 39.2833, 23.7863,
7.2234

 41.8874, 27.6777,
12.1514

 45.4060, 32.8766,
18.9915

 49.9137, 39.4856,
27.9123

■ 55.4773, 47.5970,
39.0639

■ 62.1578, 57.2954,
52.5825

■ 70.0118, 68.6590,
68.5936

■ 79.0917, 81.7607,
87.2137

Harmonies

Analogous

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



42.9835, 19.4385, 13.6545



36.4608, 19.4385, 2.2822



25.6414, 19.4385, 0.0000

Triad

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



36.4608, 19.4385, 2.2822



6.1041, 19.4385, 7.6201



21.6561, 19.4385, 126.0533

Complementary

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



36.4608, 19.4385, 2.2822



43.1136, 60.7698, 91.8949

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.



12.7874, 19.4385, 117.7097



36.4608, 19.4385, 2.2822



5.6808, 19.4385, 31.0222

Square

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



36.4608, 19.4385, 2.2822



9.1226, 19.4385, 1.0225



7.6605, 19.4385, 74.9214



32.6995, 19.4385, 92.6432

Rectangle

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



36.4608, 19.4385, 2.2822



18.6370, 19.4385, 0.0000



7.6605, 19.4385, 74.9214



18.3154, 19.4385, 128.4165

Sweetspot

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



36.4612, 19.4397, 2.2825



67.8441, 60.6924, 53.2669



50.2136, 24.5099, 76.0297



13.8295, 11.9855, 10.0029



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.



36.4612, 19.4397, 2.2825



41.4238, 21.6276, 1.9913



45.2176, 36.9524, 5.2012



15.8519, 15.9169, 16.3865



19.7963, 10.3907, 0.9622



1.6744, 0.9196, 0.0892

Inverse Universe

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



43.1136, 60.7698, 91.8949



48.9462, 69.0124, 105.3487



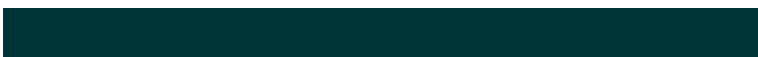
22.1993, 18.9412, 84.9235



16.1581, 17.7502, 20.2961



23.3915, 33.0073, 50.2661



1.9713, 2.7966, 4.1901

Previews

White Background



This preview shows how the XYZ color 36.4608, 19.4385, 2.2822 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 36.4608, 19.4385, 2.2822 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 36.4608, 19.4385, 2.2822

Background



This preview shows how black text looks on a background with the XYZ color 36.4608, 19.4385, 2.2822.



This preview shows how white text looks on a background with the XYZ color 36.4608, 19.4385,

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

36.4608, 19.4385, 2.2822

Protanopia

17.8826, 19.6966, 4.5284

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.4953, 19.4137, 2.5828

Trichromacy



Original Color

36.4608, 19.4385, 2.2822

Protanomaly

21.4612, 16.3426, 3.1219

Deuteranomaly

23.5256, 16.9471, 2.1748

Tritanomaly

36.4680, 19.4028, 2.4391

Monochromacy



Original Color

36.4608, 19.4385, 2.2822

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.6414, 10.5129, 5.9601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4608, 19.4385, 2.2822 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, 29, 15)` looks like.

```
.text, #text, p{  
    color:rgb(240, 29, 15)  
}
```

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, 29, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 29, 15) }
```

Border

The CSS property to change the border of an element to XYZ 36.4608, 19.4385, 2.2822 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, 29, 15) }
```


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

```
.border{ border-color:rgb(240, 29, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 29, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 29, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 29, 15);  
box-shadow:4px 4px 4px 4px rgb(240, 29,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4608, 19.4385, 2.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 29, 15) }
```

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

```
.background{ background-color: rgb(240, 29,  
15) }
```

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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