

Converting Colors

XYZ(36.4066, 19.2365, 2.5532)

Have a look what the booklet for
XYZ(36.4066, 19.2365, 2.5532)
contains.

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Color

**XYZ(36.4066, 19.2365,
2.5532)**

Conversions

Conversions Part 1

Format	Color
Hex	F01816
RGB	240, 24, 22
RGB Percent	94%, 9%, 9%
CMY	0.0588, 0.9057, 0.9137
CMYK	0.00, 0.90, 0.91, 0.06
HSL	1°, 88%, 51%
HSV	1°, 91%, 94%
XYZ	36.4066, 19.2365, 2.5532
YIQ	88.3560, 129.3780, 45.1700

Conversions

Conversions Part 2

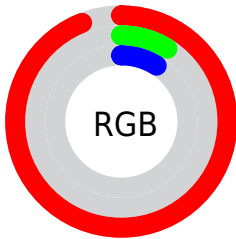
Format	Color
R_{YB}	240, 24, 22
Decimal	15734806
CIE _{Lab}	50.96, 74.49, 58.21
CIE _{LCh}	51, 94.534, 38.006
Yxy	19.2365, 0.6256, 0.3305
Android (android.graphics.Color)	4293924886 (0xFFFF01816)
YUV	88.3560, -32.7135, 132.9918
Hunter-Lab	43.8594, 71.4143, 27.2501

Details

The XYZ color **36.4066, 19.2365, 2.5532** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **46.6230, 67.5900, 93.0261**, and the grayscale version is **9.4072, 9.8971, 10.7780**.

A 20% lighter version of the original color is **46.9345, 30.8293, 9.4382**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **35.9591, 18.5737, 1.6898**, and if you desaturate by 10%, it is **37.4772, 20.8208, 4.6283**.

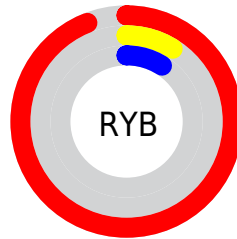
Distribution



Red (94%)

Green (9%)

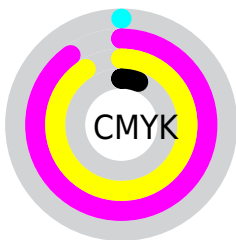
Blue (9%)



Red (94%)

Yellow (9%)

Blue (9%)

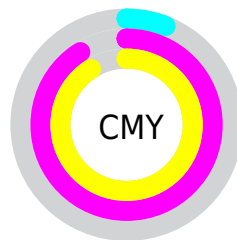


Cyan (0%)

Magenta (90%)

Yellow (91%)

Black (6%)



Cyan (6%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4066, 19.2365, 2.5532 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 36.4066, 19.2365, 2.5532 by changing the saturation by 10% instead.


 36.4066, 19.2365,
2.5532


 36.4066, 19.2365,
2.5532


322.1346,
247.7513, 130.4491

 24.9199, 11.8413,
0.8681


 68.9790, 42.1333,
10.5045


 16.1458, 6.6357,
0.0000


 90.7954, 58.4038,
17.6109

 9.7189, 3.2353,
0.0000


 116.7858, 78.4014,
27.3626

 5.2738, 1.2558,
0.0000

 147.3155,
102.5106, 40.1781

 2.4452, 0.1066,
0.0000

 182.7498,
131.1158, 56.4760


 0.8677, 0.0000,
0.0000


 223.4542,


 0.0000, 0.0000,


164.6014, 76.6748


0.0000


 269.7940,
203.3518, 101.1929


 36.4066, 19.2365,
2.5532

 36.4066, 19.2365,
2.5532


 35.9591, 18.5737,
1.6898

 37.4772, 20.8208,
4.6283

 39.3311, 23.5488,
8.2668

 42.0802, 27.5832,
13.6959

 45.8182, 33.0598,
21.1058

 50.6269, 40.0973,
30.6623

■ 56.5798, 48.8024,
42.5139

■ 63.7436, 59.2720,
56.7959

■ 72.1802, 71.5959,
73.6330

■ 81.9471, 85.8576,
93.1415

Harmonies

Analogous

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



42.4672, 19.2365, 14.5659



36.4066, 19.2365, 2.5532



25.8709, 19.2365, 0.0149

Triad

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



36.4066, 19.2365, 2.5532



6.1728, 19.2365, 6.9813



20.9016, 19.2365, 124.3701

Complementary

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



36.4066, 19.2365, 2.5532



46.6230, 67.5900, 93.0261

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.



12.3471, 19.2365, 114.0358



36.4066, 19.2365, 2.5532



5.6399, 19.2365, 28.9589

Square

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



36.4066, 19.2365, 2.5532



9.3028, 19.2365, 0.9354



7.4671, 19.2365, 71.2815



31.7262, 19.2365, 93.2663

Rectangle

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



36.4066, 19.2365, 2.5532



18.9161, 19.2365, 0.0000



7.4671, 19.2365, 71.2815



17.6656, 19.2365, 125.9184

Sweetspot

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



36.4070, 19.2377, 2.5535



67.8453, 60.2643, 54.5944



51.9498, 25.3901, 84.6000



13.9499, 12.0632, 10.5459



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.



36.4070, 19.2377, 2.5535



41.2658, 21.3117, 1.9386



44.1959, 34.8155, 5.1498



15.7847, 15.7824, 16.3641



19.6901, 10.1782, 0.9268



1.6422, 0.8550, 0.0785

Inverse Universe

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



46.6230, 67.5900, 93.0261



53.0554, 77.2308, 106.7185



24.1752, 22.6943, 85.5435



16.2340, 17.9021, 20.3214



25.3145, 36.8533, 50.9071



2.1100, 3.0740, 4.2363

Previews

White Background



This preview shows how the XYZ color 36.4066, 19.2365, 2.5532 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 36.4066, 19.2365, 2.5532 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 36.4066, 19.2365, 2.5532

Background



This preview shows how black text looks on a background with the XYZ color 36.4066, 19.2365, 2.5532.



This preview shows how white text looks on a background with the XYZ color 36.4066, 19.2365,

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

36.4066, 19.2365, 2.5532

Protanopia

17.6940, 19.4046, 5.0034

Deuteranopia

19.5718, 19.3608, 2.7055



Tritanopia

36.3763, 19.2579, 2.2901

Trichromacy



Original Color

36.4066, 19.2365, 2.5532

Protanomaly

21.0867, 15.7756, 3.5237

Deuteranomaly

23.1447, 16.5183, 2.1982

Tritanomaly

36.3920, 19.2642, 2.3726

Monochromacy



Original Color

36.4066, 19.2365, 2.5532

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.1434, 9.9904, 6.0334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4066, 19.2365, 2.5532 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, 24, 22)` looks like.

```
.text, #text, p{  
    color:rgb(240, 24, 22)  
}
```

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, 24, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 24, 22) }
```

Border

The CSS property to change the border of an element to XYZ 36.4066, 19.2365, 2.5532 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, 24, 22) }
```


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

```
.border{ border-color:rgb(240, 24, 22) }
```

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

Here you see how a box with a 4 pixel rgb(240, 24, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 24, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 24, 22);  
box-shadow:4px 4px 4px 4px rgb(240, 24,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4066, 19.2365, 2.5532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 24, 22) }
```

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

```
.background{ background-color: rgb(240, 24,  
22) }
```

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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