

Converting Colors

XYZ(35.7466, 18.4173, 2.1566)

Have a look what the booklet for
XYZ(35.7466, 18.4173, 2.1566)
contains.

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Color

**XYZ(35.6901, 18.3881,
2.1584)**

Conversions

Conversions Part 1

Format	Color
Hex	EF0010
RGB	239, 0, 16
RGB Percent	94%, 0%, 6%
CMY	0.0627, 0.9998, 0.9373
CMYK	0.00, 1.00, 0.93, 0.06
HSL	356°, 100%, 47%
HSV	356°, 100%, 94%
XYZ	35.6901, 18.3881, 2.1584
YIQ	73.2850, 137.3080, 55.6440

Conversions

Conversions Part 2

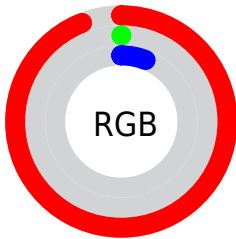
Format	Color
RYB	239, 0, 16
Decimal	15663120
CIELab	49.96, 76.40, 59.60
CIELCh	50, 96.897, 37.960
Yxy	18.3881, 0.6346, 0.3270
Android (android.graphics.Color)	4293853200 (0xFFEF0010)
YUV	73.2850, -28.2415, 145.3321
Hunter-Lab	42.8813, 73.5230, 27.0326

Details

The XYZ color **35.6901, 18.3881, 2.1584** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **44.1942, 67.0637, 80.4687**, and the grayscale version is **6.4197, 6.7540, 7.3551**.

A 20% lighter version of the original color is **46.1377, 29.4820, 8.4131**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **35.6894, 18.3878, 2.1562**, and if you desaturate by 10%, it is **36.2769, 19.1441, 3.6429**.

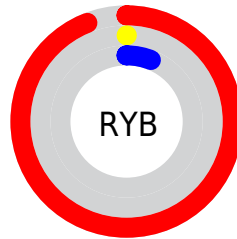
Distribution



Red (94%)

Green (0%)

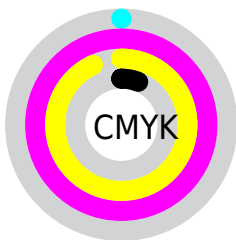
Blue (6%)



Red (94%)

Yellow (0%)

Blue (6%)

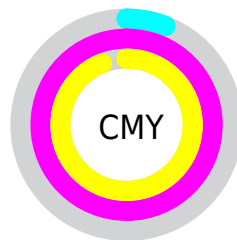


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6901, 18.3881, 2.1584 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 35.6901, 18.3881, 2.1584 by changing the saturation by 10% instead.

 35.6901, 18.3881,
2.1584


 35.6901, 18.3881,
2.1584


319.0589,
243.0496, 124.7899


 24.3639, 11.2290,
0.6502


 67.8805, 40.6975,
9.4695


 15.7300, 6.2211,
0.0000


 89.4754, 56.6166,
16.1424

 9.4229, 2.9800,
0.0000


 115.2240, 76.2245,
25.3848

 5.0774, 1.1213,
0.0000

 145.4916, 99.9056,
37.6154

 2.3280, 0.0000,
0.0000

 180.6435,
128.0442, 53.2526


 0.8089, 0.0000,
0.0000


 221.0451,


 0.0000, 0.0000,


161.0249, 72.7151


0.0000


 267.0618,
199.2318, 96.4213


 35.6901, 18.3881,
2.1584


 35.6901, 18.3881,
2.1584


 35.6894, 18.3878,
2.1562

 36.2769, 19.1441,
3.6429

 37.4794, 20.7858,
6.3969

 39.4563, 23.5776,
10.6382

 42.3095, 27.6789,
16.5373

 46.1253, 33.2240,
24.2415

■ 50.9796, 40.3305,
33.8816

■ 56.9408, 49.1039,
45.5767

■ 64.0714, 59.6406,
59.4360

■ 72.4293, 72.0295,
75.5609

Harmonies

Analogous

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



41.8184, 18.3881, 13.7380



35.6901, 18.3881, 2.1584



25.0766, 18.3881, 0.0000

Triad

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



35.6901, 18.3881, 2.1584



5.5957, 18.3881, 6.3035



20.0705, 18.3881, 125.4938

Complementary

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



35.6901, 18.3881, 2.1584



44.1942, 67.0637, 80.4687

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.



11.5931, 18.3881, 114.7774



35.6901, 18.3881, 2.1584



5.0817, 18.3881, 27.9773

Square

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



35.6901, 18.3881, 2.1584



8.6292, 18.3881, 0.6814



6.8355, 18.3881, 70.8777



30.9336, 18.3881, 93.5412

Rectangle

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



35.6901, 18.3881, 2.1584



18.1211, 18.3881, 0.0000



6.8355, 18.3881, 70.8777



16.8490, 18.3881, 127.0663

Sweetspot

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



35.6905, 18.3893, 2.1586



65.8703, 56.7442, 52.6109



44.8203, 21.3069, 83.4110



13.4406, 11.1755, 9.9728



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.



35.6905, 18.3893, 2.1586



41.3413, 21.3005, 2.4633



40.1173, 27.3920, 3.1745



15.8156, 15.7759, 16.5850



19.7394, 10.1682, 1.2781



1.6570, 0.8518, 0.1846

Inverse Universe

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



35.6905, 18.3893, 2.1586



41.3413, 21.3005, 2.4633



24.8773, 24.8256, 85.1413



15.8156, 15.7759, 16.5850



19.7394, 10.1682, 1.2781



1.6570, 0.8518, 0.1846

Previews

White Background



This preview shows how the XYZ color 35.6901, 18.3881, 2.1584 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 35.6901, 18.3881, 2.1584 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 35.6901, 18.3881, 2.1584

Background



This preview shows how black text looks on a background with the XYZ color 35.6901, 18.3881, 2.1584.



This preview shows how white text looks on a background with the XYZ color 35.6901, 18.3881,

2.1584.

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

35.6901, 18.3881, 2.1584

Protanopia

17.1630, 18.9592, 4.5052

Deuteranopia

19.0796, 18.9369, 2.6496



Tritanopia

35.2120, 18.5783, 1.7301

Trichromacy



Original Color

35.6901, 18.3881, 2.1584

Protanomaly

20.1092, 14.2807, 2.8590

Deuteranomaly

22.1826, 14.9686, 1.8924

Tritanomaly

35.4498, 18.5044, 1.8756

Monochromacy



Original Color

35.6901, 18.3881, 2.1584

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.2697, 7.1885, 4.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6901, 18.3881, 2.1584 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(239, 0, 16)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 16)  
}
```

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(239, 0, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 16) }
```

Border

The CSS property to change the border of an element to XYZ 35.6901, 18.3881, 2.1584 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(239, 0, 16) }
```


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

```
.border{ border-color:rgb(239, 0, 16) }
```

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

Here you see how a box with a 4 pixel rgb(239, 0, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 16);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.6901, 18.3881, 2.1584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 16) }
```

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

```
.background{ background-color: rgb(239, 0,  
16) }
```

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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