

Converting Colors

XYZ(35.8097, 18.4544, 1.9535)

Have a look what the booklet for
XYZ(35.8097, 18.4544, 1.9535)
contains.

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Color

**XYZ(35.6514, 18.3726,
1.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	EF000A
RGB	239, 0, 10
RGB Percent	94%, 0%, 4%
CMY	0.0627, 0.9998, 0.9608
CMYK	0.00, 1.00, 0.96, 0.06
HSL	358°, 100%, 47%
HSV	358°, 100%, 94%
XYZ	35.6514, 18.3726, 1.9544
YIQ	72.6010, 139.2340, 53.7780

Conversions

Conversions Part 2

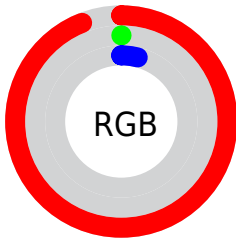
Format	Color
RYB	239, 0, 10
Decimal	15663114
CIELab	49.94, 76.35, 61.33
CIELCh	50, 97.931, 38.776
Yxy	18.3726, 0.6369, 0.3282
Android (android.graphics.Color)	4293853194 (0xFFEF000A)
YUV	72.6010, -30.8623, 145.9319
Hunter-Lab	42.8633, 73.4561, 27.3009

Details

The XYZ color **35.6514, 18.3726, 1.9544** 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 **45.0178, 67.3933, 84.8057**, and the grayscale version is **6.3040, 6.6323, 7.2225**.

A 20% lighter version of the original color is **46.0516, 29.4476, 7.9594**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **35.6508, 18.3724, 1.9528**, and if you desaturate by 10%, it is **36.1953, 19.1114, 3.2132**.

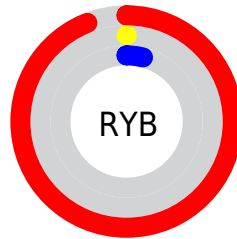
Distribution



Red (94%)

Green (0%)

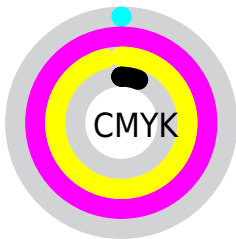
Blue (4%)



Red (94%)

Yellow (0%)

Blue (4%)

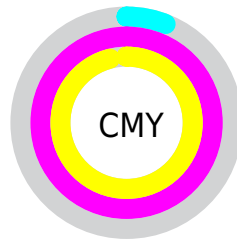


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (6%)



Cyan (6%)


Magenta (100%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6514, 18.3726, 1.9544 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 35.6514, 18.3726, 1.9544 by changing the saturation by 10% instead.


 35.6514, 18.3726,
1.9544


 35.6514, 18.3726,
1.9544


318.8922,
242.9629, 121.6646


 24.3339, 11.2178,
0.5270


 67.8211, 40.6712,
8.9158


 15.7076, 6.2135,
0.0000


 89.4040, 56.5838,
15.3496


 9.4070, 2.9754,
0.0000


 115.1394, 76.1845,
24.3102

 5.0668, 1.1189,
0.0000

 145.3928, 99.8577,
36.2162

 2.3217, 0.0000,
0.0000

 180.5294,
127.9877, 51.4861


 0.8057, 0.0000,
0.0000


 220.9146,


 0.0000, 0.0000,


160.9590, 70.5385


0.0000


 266.9137,
199.1559, 93.7918


 35.6514, 18.3726,
1.9544


 35.6514, 18.3726,
1.9544


 35.6508, 18.3724,
1.9528

 36.1953, 19.1114,
3.2132

 37.3568, 20.7367,
5.7510

 39.2992, 23.5146,
9.8109

 42.1278, 27.6060,
15.5807

 45.9315, 33.1462,
23.2215

■ 50.7884, 40.2537,
32.8756

■ 56.7687, 49.0347,
44.6714

■ 63.9365, 59.5862,
58.7269

■ 72.3512, 71.9978,
75.1513

Harmonies

Analogous

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



42.0634, 18.3726, 13.1087



35.6514, 18.3726, 1.9544



24.8454, 18.3726, 0.0000

Triad

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



35.6514, 18.3726, 1.9544



5.4627, 18.3726, 6.5202



20.3638, 18.3726, 126.9163

Complementary

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



35.6514, 18.3726, 1.9544



45.0178, 67.3933, 84.8057

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.



11.7097, 18.3726, 117.2325



35.6514, 18.3726, 1.9544



5.0091, 18.3726, 28.9735

Square

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



35.6514, 18.3726, 1.9544



8.4224, 18.3726, 0.6827



6.8326, 18.3726, 72.9813



31.3809, 18.3726, 93.4195

Rectangle

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



35.6514, 18.3726, 1.9544



17.8509, 18.3726, 0.0000



6.8326, 18.3726, 72.9813



17.0800, 18.3726, 128.9610

Sweetspot

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



35.6518, 18.3738, 1.9546



65.6709, 56.6644, 51.5606



47.2755, 22.5726, 83.5260



13.3954, 11.1574, 9.7348



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.



35.6518, 18.3738, 1.9546



41.2982, 21.2833, 2.2363



40.9153, 28.9879, 3.4404



15.7995, 15.7695, 16.5002



19.7133, 10.1578, 1.1410



1.6493, 0.8488, 0.1439

Inverse Universe

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



35.6518, 18.3738, 1.9546



41.2982, 21.2833, 2.2363



23.7610, 22.5931, 84.7693



15.7995, 15.7695, 16.5002



19.7133, 10.1578, 1.1410



1.6493, 0.8488, 0.1439

Previews

White Background



This preview shows how the XYZ color 35.6514, 18.3726, 1.9544 looks on a white background.

Color Contrast Check

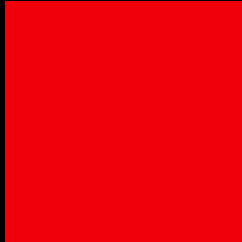
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6514, 18.3726, 1.9544 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 35.6514, 18.3726, 1.9544

Background



This preview shows how black text looks on a background with the XYZ color 35.6514, 18.3726, 1.9544.



This preview shows how white text looks on a background with the XYZ color 35.6514, 18.3726,

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

35.6514, 18.3726, 1.9544

Protanopia

17.1036, 18.9354, 4.1923

Deuteranopia

19.0796, 18.9369, 2.6496



Tritanopia

35.2120, 18.5783, 1.7301

Trichromacy



Original Color

35.6514, 18.3726, 1.9544

Protanomaly

20.0629, 14.2622, 2.6151

Deuteranomaly

22.1716, 14.9642, 1.8347

Tritanomaly

35.4388, 18.5000, 1.8179

Monochromacy



Original Color

35.6514, 18.3726, 1.9544

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.2256, 7.1708, 3.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6514, 18.3726, 1.9544 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 10) }
```

Border

The CSS property to change the border of an element to XYZ 35.6514, 18.3726, 1.9544 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, 10) }
```


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

```
.border{ border-color:rgb(239, 0, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 10);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.6514, 18.3726, 1.9544 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, 10) }
```

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

```
.background{ background-color: rgb(239, 0,  
10) }
```

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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