

Converting Colors

XYZ(34.0415, 16.1518, 0.0000)

Have a look what the booklet for
XYZ(34.0415, 16.1518, 0.0000)
contains.

XYZ(35.2599, 18.1771, 1.6501)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(35.2599, 18.1771,
1.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0000
RGB	238, 0, 0
RGB Percent	93%, 0%, 0%
CMY	0.0667, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.07
HSL	0°, 100%, 47%
HSV	0°, 100%, 93%
XYZ	35.2599, 18.1771, 1.6501
YIQ	71.1620, 141.8480, 50.4560

Conversions

Conversions Part 2

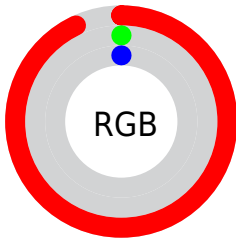
Format	Color
RYB	238, 0, 0
Decimal	15597568
CIELab	49.71, 76.03, 63.80
CIELCh	50, 99.255, 40.000
Yxy	18.1771, 0.6401, 0.3300
Android (android.graphics.Color)	4293787648 (0xFFEE0000)
YUV	71.1620, -35.0829, 146.3169
Hunter-Lab	42.6346, 73.0134, 27.5495

Details

The XYZ color **35.2599, 18.1771, 1.6501** 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 **45.9899, 67.2878, 91.4523**, and the grayscale version is **6.0628, 6.3785, 6.9462**.

A 20% lighter version of the original color is **45.8929, 29.3841, 7.1238**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.2603, 18.1783, 1.6503**, and if you desaturate by 10%, it is **35.7460, 18.8893, 2.6153**.

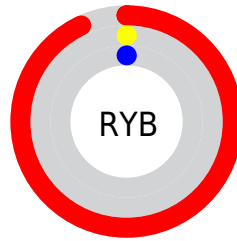
Distribution



Red (93%)

Green (0%)

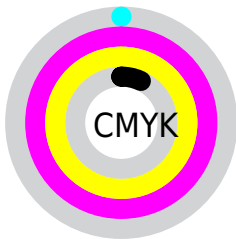
Blue (0%)



Red (93%)

Yellow (0%)

Blue (0%)

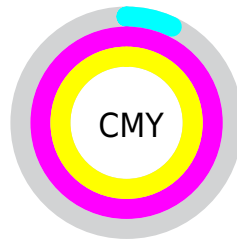


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2599, 18.1771, 1.6501 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 35.2599, 18.1771, 1.6501 by changing the saturation by 10% instead.

 35.2599, 18.1771,
1.6501


 35.2599, 18.1771,
1.6501


 317.2020,
241.8674, 116.6825


 24.0306, 11.0772,
0.3262


 67.2196, 40.3389,
8.0600


 15.4812, 6.1188,
0.0000


 88.6807, 56.1695,
14.1136


 9.2463, 2.9174,
0.0000


 114.2830, 75.6793,
22.6242

 4.9606, 1.0888,
0.0000

 144.3921, 99.2524,
34.0104

 2.2587, 0.0000,
0.0000

 179.3731,
127.2734, 48.6908

 0.7734, 0.0000,
0.0000


 219.5916,


 0.0000, 0.0000,


160.1266, 67.0839


0.0000


 265.4127,
198.1965, 89.6083


 35.2599, 18.1771,
1.6501

 35.2599, 18.1771,
1.6501


 35.2603, 18.1783,
1.6503

 35.7460, 18.8893,
2.6153

 36.8275, 20.4722,
4.7637

 38.6912, 23.1998,
8.4675

 41.4477, 27.2336,
13.9462

 45.1897, 32.7094,
21.3845

■ 49.9983, 39.7459,
30.9436

■ 55.9464, 48.4496,
42.7684

■ 63.1003, 58.9175,
56.9909

■ 71.5213, 71.2394,
73.7330

Harmonies

Analogous

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



42.0472, 18.1771, 12.0633



35.2599, 18.1771, 1.6501



24.2632, 18.1771, 0.0000

Triad

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



35.2599, 18.1771, 1.6501



5.2125, 18.1771, 6.7991



20.6267, 18.1771, 127.9286

Complementary

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



35.2599, 18.1771, 1.6501



45.9899, 67.2878, 91.4523

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.



11.7795, 18.1771, 119.9572



35.2599, 18.1771, 1.6501



4.8525, 18.1771, 30.2687

Square

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



35.2599, 18.1771, 1.6501



8.0341, 18.1771, 0.6763



6.7639, 18.1771, 75.5925



31.7793, 18.1771, 92.3651

Rectangle

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



35.2599, 18.1771, 1.6501



17.2767, 18.1771, 0.0000



6.7639, 18.1771, 75.5925



17.2768, 18.1771, 130.6905

Sweetspot

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



35.2603, 18.1783, 1.6503



65.3500, 56.5421, 49.8526



50.6922, 24.3500, 82.9166



13.3229, 11.1297, 9.3491



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.



35.2603, 18.1783, 1.6503



41.2407, 21.2614, 1.9302



41.8564, 31.3706, 3.8491



15.7732, 15.7595, 16.3603



19.6720, 10.1420, 0.9208



1.6366, 0.8439, 0.0766

Inverse Universe

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



45.9899, 67.2878, 91.4523



53.7902, 78.7003, 106.9634



22.0293, 19.3666, 83.4654



16.2471, 17.9283, 20.3258



25.6581, 37.5404, 51.0216



2.1346, 3.1232, 4.2446

Previews

White Background



This preview shows how the XYZ color 35.2599, 18.1771, 1.6501 looks on a white 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

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 35.2599, 18.1771, 1.6501

Background



This preview shows how black text looks on a background with the XYZ color 35.2599, 18.1771, 1.6501.



This preview shows how white text looks on a background with the XYZ color 35.2599, 18.1771,

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

35.2599, 18.1771, 1.6501

Protanopia

16.9555, 18.6828, 4.0088

Tritanopia

34.8790, 18.4067, 1.7145

Trichromacy



Original Color

35.2599, 18.1771, 1.6501

Protanomaly

19.7240, 13.9900, 2.3226

Tritanomaly

35.0821, 18.3186, 1.6868

Monochromacy



Original Color

35.2599, 18.1771, 1.6501

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.9278, 6.9718, 3.2524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2599, 18.1771, 1.6501 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(238, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 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(238, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2599, 18.1771, 1.6501 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(238, 0, 0) }
```

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

```
.border{ border-color:rgb(238, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(238, 0, 0); box-shadow:4px  
4px 4px 4px rgb(238, 0, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 35.2599, 18.1771, 1.6501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 0) }
```

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

```
.background{ background-color: rgb(238, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor