

Converting Colors

XYZ(34.4003, 18.1143, 1.7565)

Have a look what the booklet for
XYZ(34.4003, 18.1143, 1.7565)
contains.

XYZ(34.5275, 18.1691, 1.7733)	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(34.5275, 18.1691,
1.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1403
RGB	235, 20, 3
RGB Percent	92%, 8%, 1%
CMY	0.0784, 0.9214, 0.9882
CMYK	0.00, 0.91, 0.99, 0.08
HSL	4°, 97%, 47%
HSV	4°, 99%, 92%
XYZ	34.5275, 18.1691, 1.7733
YIQ	82.3470, 133.5970, 40.2930

Conversions

Conversions Part 2

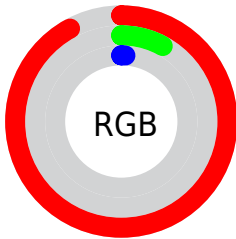
Format	Color
R_{YB}	235, 21, 3
Decimal	15406083
CIE Lab	49.70, 73.57, 62.58
CIE LCh	50, 96.587, 40.386
Yxy	18.1691, 0.6339, 0.3336
Android (android.graphics.Color)	4293596163 (0xFFEB1403)
YUV	82.3470, -39.1181, 133.8767
Hunter-Lab	42.6252, 69.9953, 27.3711

Details

The XYZ color **34.5275, 18.1691, 1.7733** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **40.0937, 56.1393, 87.3192**, and the grayscale version is **8.1515, 8.5760, 9.3393**.

A 20% lighter version of the original color is **46.3041, 30.1252, 7.5119**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.4651, 18.0710, 1.6715**, and if you desaturate by 10%, it is **35.2740, 19.3815, 2.8887**.

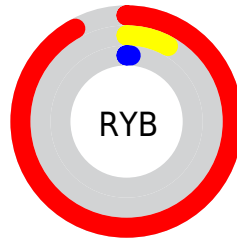
Distribution



Red (92%)

Green (8%)

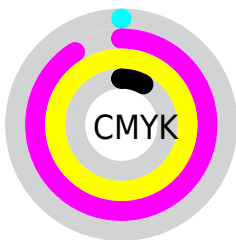
Blue (1%)



Red (92%)

Yellow (8%)

Blue (1%)

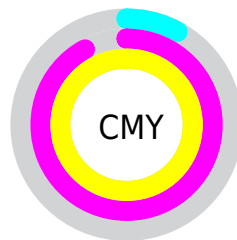


Cyan (0%)

Magenta (91%)

Yellow (99%)

Black (8%)



Cyan (8%)


Magenta (92%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5275, 18.1691, 1.7733 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 34.5275, 18.1691, 1.7733 by changing the saturation by 10% instead.


 34.5275, 18.1691,
1.7733


 34.5275, 18.1691,
1.7733


 314.0225,
241.8225, 118.7509


 23.4639, 11.0715,
0.4103


 66.0920, 40.3253,
8.4112


 15.0590, 6.1149,
0.0000


 87.3236, 56.1526,
14.6225

 8.9474, 2.9151,
0.0000


 112.6754, 75.6585,
23.3201

 4.7637, 1.0876,
0.0000

 142.5125, 99.2276,
34.9224

 2.1426, 0.0000,
0.0000

 177.2004,
127.2441, 49.8482


 0.7122, 0.0000,
0.0000


 217.1045,


 0.0000, 0.0000,


160.0925, 68.5158


0.0000


 262.5901,
198.1572, 91.3439


 34.5275, 18.1691,
1.7733


 34.5275, 18.1691,
1.7733


 34.4651, 18.0710,
1.6715

 35.2740, 19.3815,
2.8887

 36.6465, 21.5127,
5.2385

 38.7568, 24.7037,
9.1162

 41.6900, 29.0687,
14.7227

 45.5195, 34.7068,
22.2286

■ 50.3103, 41.7069,
31.7840

■ 56.1216, 50.1498,
43.5237

■ 63.0077, 60.1100,
57.5713

■ 71.0192, 71.6568,
74.0411

Harmonies

Analogous

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



41.1320, 18.1691, 11.9909



34.5275, 18.1691, 1.7733



23.9057, 18.1691, 0.0000

Triad

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



34.5275, 18.1691, 1.7733



5.3995, 18.1691, 7.1940



20.6544, 18.1691, 122.9757

Complementary

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



34.5275, 18.1691, 1.7733



40.0937, 56.1393, 87.3192

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.



11.9909, 18.1691, 115.9879



34.5275, 18.1691, 1.7733



5.0676, 18.1691, 30.3797

Square

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



34.5275, 18.1691, 1.7733



8.1641, 18.1691, 0.8474



7.0039, 18.1691, 74.0213



31.4342, 18.1691, 88.7827

Rectangle

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



34.5275, 18.1691, 1.7733



17.1505, 18.1691, 0.0000



7.0039, 18.1691, 74.0213



17.3884, 18.1691, 125.7960

Sweetspot

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



34.5279, 18.1703, 1.7735



66.4913, 58.8248, 50.2330



47.1495, 22.8697, 69.3151



13.5811, 11.6461, 9.4352



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.



34.5279, 18.1703, 1.7735



41.4683, 21.7166, 2.0061



42.8667, 34.8479, 4.5531



15.1543, 15.2316, 15.6600



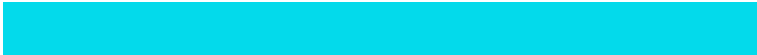
19.2155, 10.1253, 0.9416



1.5400, 0.8573, 0.0843

Inverse Universe

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



40.0937, 56.1393, 87.3192



48.1236, 67.3672, 105.0745



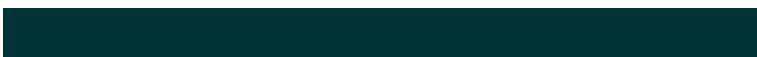
19.9362, 15.8243, 80.6001



15.4175, 16.9214, 19.3758



22.3026, 31.2522, 48.5998



1.7796, 2.5107, 3.8257

Previews

White Background



This preview shows how the XYZ color 34.5275, 18.1691, 1.7733 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



This preview shows how the XYZ color 34.5275, 18.1691, 1.7733 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 34.5275, 18.1691, 1.7733

Background



This preview shows how black text looks on a background with the XYZ color 34.5275, 18.1691, 1.7733.



This preview shows how white text looks on a background with the XYZ color 34.5275, 18.1691,

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

34.5275, 18.1691, 1.7733

Protanopia

16.7823, 18.5950, 3.9330

Deuteranopia

18.4828, 18.2943, 2.5570

Trichromacy



Original Color

34.5275, 18.1691, 1.7733

Protanomaly

20.0912, 15.0491, 2.5077

Deuteranomaly

21.8575, 15.4179, 1.8527

Monochromacy



Original Color

34.5275, 18.1691, 1.7733

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

12.6878, 8.7882, 4.3957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5275, 18.1691, 1.7733 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(235, 20, 3)` looks like.

```
.text, #text, p{  
    color:rgb(235, 20, 3)  
}
```

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(235, 20, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 20, 3) }
```

Border

The CSS property to change the border of an element to XYZ 34.5275, 18.1691, 1.7733 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(235, 20, 3) }
```

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

```
.border{ border-color:rgb(235, 20, 3) }
```

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

Here you see how a box with a 4 pixel rgb(235, 20, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 20, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 20, 3);  
box-shadow:4px 4px 4px 4px rgb(235, 20, 3)  
}
```


Background

The CSS property to change the background color of an element to XYZ 34.5275, 18.1691, 1.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 20, 3) }
```

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

```
.background{ background-color: rgb(235, 20,  
3) }
```

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