

Converting Colors

XYZ(35.0171, 18.0471, 1.8577)

Have a look what the booklet for
XYZ(35.0171, 18.0471, 1.8577)
contains.

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Color

**XYZ(34.9689, 18.0221,
1.8653)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0008
RGB	237, 0, 8
RGB Percent	93%, 0%, 3%
CMY	0.0706, 0.9998, 0.9686
CMYK	0.00, 1.00, 0.97, 0.07
HSL	358°, 100%, 46%
HSV	358°, 100%, 93%
XYZ	34.9689, 18.0221, 1.8653
YIQ	71.7750, 138.6840, 52.7320

Conversions

Conversions Part 2

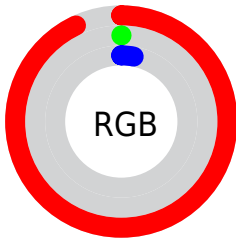
Format	Color
RYB	237, 0, 8
Decimal	15532040
CIELab	49.52, 75.85, 61.41
CIElCh	50, 97.595, 38.996
Yxy	18.0221, 0.6375, 0.3285
Android (android.graphics.Color)	4293722120 (0xFFED0008)
YUV	71.7750, -31.4411, 144.9023
Hunter-Lab	42.4524, 72.7421, 27.1116

Details

The XYZ color **34.9689, 18.0221, 1.8653** 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 **44.4359, 66.2287, 84.6138**, and the grayscale version is **6.1624, 6.4834, 7.0604**.

A 20% lighter version of the original color is **45.9967, 29.4256, 7.6703**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **34.9683, 18.0218, 1.8636**, and if you desaturate by 10%, it is **35.4926, 18.7463, 3.0377**.

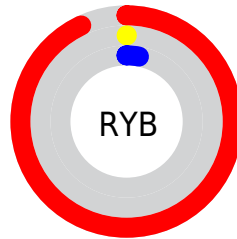
Distribution



Red (93%)

Green (0%)

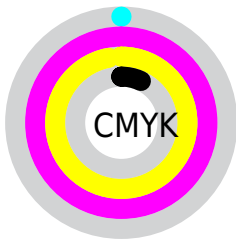
Blue (3%)



Red (93%)

Yellow (0%)

Blue (3%)

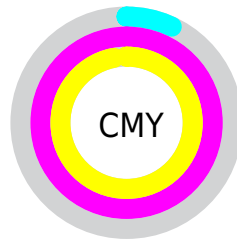


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9689, 18.0221, 1.8653 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 34.9689, 18.0221, 1.8653 by changing the saturation by 10% instead.


 34.9689, 18.0221,
1.8653


 34.9689, 18.0221,
1.8653


 315.9415,
240.9956, 120.2488


 23.8053, 10.9659,
0.4705


 66.7719, 40.0750,
8.6692


 15.3132, 6.0439,
0.0000


 88.1421, 55.8404,
14.9948


 9.1273, 2.8718,
0.0000


 113.6451, 75.2777,
23.8277

 4.8821, 1.0652,
0.0000

 143.6465, 98.7712,
35.5862

 2.2123, 0.0000,
0.0000

 178.5114,
126.7053, 50.6891


 0.7492, 0.0000,
0.0000


 218.6053,


 0.0000, 0.0000,


159.4645, 69.5548


0.0000


 264.2935,
197.4331, 92.6019


 34.9689, 18.0221,
1.8653


 34.9689, 18.0221,
1.8653


 34.9683, 18.0218,
1.8636

 35.4926, 18.7463,
3.0377

 36.6213, 20.3392,
5.4628

 38.5180, 23.0634,
9.3909

 41.2867, 27.0768,
15.0120

 45.0154, 32.5124,
22.4882

■ 49.7814, 39.4863,
31.9627

■ 55.6539, 48.1029,
43.5647

■ 62.6963, 58.4575,
57.4124

■ 70.9674, 70.6380,
73.6155

Harmonies

Analogous

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



41.3361, 18.0221, 12.6967



34.9689, 18.0221, 1.8653



24.3154, 18.0221, 0.0000

Triad

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



34.9689, 18.0221, 1.8653



5.3246, 18.0221, 6.4561



20.0588, 18.0221, 124.9054

Complementary

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



34.9689, 18.0221, 1.8653



44.4359, 66.2287, 84.6138

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.



11.5203, 18.0221, 115.6845



34.9689, 18.0221, 1.8653



4.8954, 18.0221, 28.6977

Square

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



34.9689, 18.0221, 1.8653



8.2089, 18.0221, 0.6666



6.7030, 18.0221, 72.1748



30.9097, 18.0221, 91.6255

Rectangle

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



34.9689, 18.0221, 1.8653



17.4426, 18.0221, 0.0000



6.7030, 18.0221, 72.1748



16.8201, 18.0221, 127.0392

Sweetspot

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



34.9693, 18.0233, 1.8655



65.6071, 56.6389, 51.2247



46.3854, 22.1478, 81.9502



13.3809, 11.1516, 9.6588



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.



34.9693, 18.0233, 1.8655



41.2868, 21.2787, 2.1765



40.1499, 28.4541, 3.3779



15.0859, 15.0622, 15.7378



19.1010, 9.8431, 1.0674



1.5071, 0.7758, 0.1218

Inverse Universe

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



34.9693, 18.0233, 1.8655



41.2868, 21.2787, 2.1765



23.3197, 22.1807, 83.1723



15.0859, 15.0622, 15.7378



19.1010, 9.8431, 1.0674



1.5071, 0.7758, 0.1218

Previews

White Background



This preview shows how the XYZ color 34.9689, 18.0221, 1.8653 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 34.9689, 18.0221, 1.8653 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 34.9689, 18.0221, 1.8653

Background



This preview shows how black text looks on a background with the XYZ color 34.9689, 18.0221, 1.8653.



This preview shows how white text looks on a background with the XYZ color 34.9689, 18.0221,

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

34.9689, 18.0221, 1.8653

Protanopia

16.8087, 18.6056, 4.0718

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.5479, 18.2360, 1.6990

Trichromacy



Original Color

34.9689, 18.0221, 1.8653

Protanomaly

19.5337, 13.8887, 2.4619

Deuteranomaly

21.6904, 14.7167, 1.7836

Tritanomaly

34.7655, 18.1535, 1.7578

Monochromacy



Original Color

34.9689, 18.0221, 1.8653

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

11.0471, 7.0813, 3.6903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9689, 18.0221, 1.8653 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(237, 0, 8)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 8)  
}
```

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(237, 0, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 34.9689, 18.0221, 1.8653 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(237, 0, 8) }
```


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

```
.border{ border-color:rgb(237, 0, 8) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(237, 0, 8); box-shadow:4px  
4px 4px 4px rgb(237, 0, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9689, 18.0221, 1.8653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 8) }
```

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

```
.background{ background-color: rgb(237, 0,  
8) }
```

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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