

# Converting Colors

XYZ(35.0342, 18.0540, 1.9477)

Have a look what the booklet for  
XYZ(35.0342, 18.0540, 1.9477)  
contains.

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# Color

**XYZ(34.9855, 18.0287,  
1.9526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED000B
RGB	237, 0, 11
RGB Percent	93%, 0%, 4%
CMY	0.0706, 0.9998, 0.9569
CMYK	0.00, 1.00, 0.95, 0.07
HSL	357°, 100%, 46%
HSV	357°, 100%, 93%
XYZ	34.9855, 18.0287, 1.9526
YIQ	72.1170, 137.7210, 53.6650

# Conversions

## Conversions Part 2

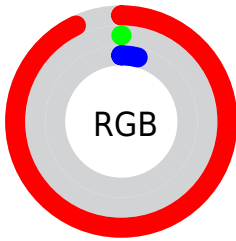
Format	Color
<a href="#">RYB</a>	<a href="#">237, 0, 11</a>
Decimal	<a href="#">15532043</a>
CIELab	<a href="#">49.53, 75.87, 60.63</a>
CIELCh	<a href="#">50, 97.124, 38.631</a>
Yxy	<a href="#">18.0287, 0.6365, 0.3280</a>
Android (android.graphics.Color)	<a href="#">4293722123</a> (0xFFED000B)
YUV	<a href="#">72.1170, -30.1307, 144.6024</a>
Hunter-Lab	<a href="#">42.4602, 72.7714, 26.9956</a>

# Details

The XYZ color **34.9855, 18.0287, 1.9526** 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 **44.0200, 66.0624, 82.4235**, and the grayscale version is **6.2191, 6.5429, 7.1253**.

A 20% lighter version of the original color is **46.0516, 29.4476, 7.9594**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **34.9849, 18.0284, 1.9509**, and if you desaturate by 10%, it is **35.5296, 18.7610, 3.2325**.

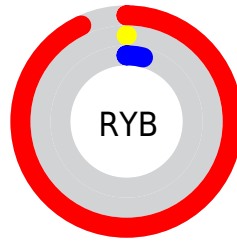
# Distribution



Red (93%)

Green (0%)

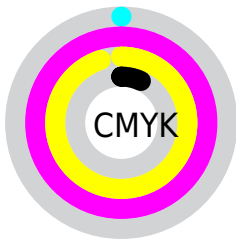
Blue (4%)



Red (93%)

Yellow (0%)

Blue (4%)

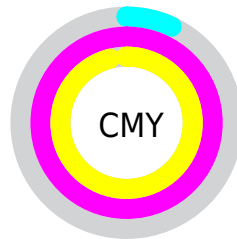


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (7%)



Cyan (7%)

Magenta (100%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9855, 18.0287, 1.9526 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 34.9855, 18.0287, 1.9526 by changing the saturation by 10% instead.





 34.9855, 18.0287,  
1.9526

 34.9855, 18.0287,  
1.9526


316.0135,  
241.0328, 121.6364


 23.8182, 10.9706,  
0.5259


 66.7975, 40.0862,  
8.9108


 15.3228, 6.0471,  
0.0000


 88.1728, 55.8544,  
15.3425


 9.1340, 2.8737,  
0.0000


 113.6816, 75.2948,  
24.3006

 4.8865, 1.0662,  
0.0000

 143.6890, 98.7917,  
36.2036

 2.2149, 0.0000,  
0.0000

 178.5606,  
126.7296, 51.4702


 0.7506, 0.0000,  
0.0000


 218.6616,


 0.0000, 0.0000,


159.4928, 70.5188


0.0000


 264.3575,  
197.4657, 93.7680


 34.9855, 18.0287,  
1.9526


 34.9855, 18.0287,  
1.9526


 34.9849, 18.0284,  
1.9509

 35.5296, 18.7610,  
3.2325

 36.6788, 20.3620,  
5.7659

 38.5929, 23.0931,  
9.7859

 41.3742, 27.1115,  
15.4735

 45.1093, 32.5494,  
22.9837

■ 49.8743, 39.5228,  
32.4538

■ 55.7377, 48.1357,  
44.0079

■ 62.7619, 58.4828,  
57.7599

■ 71.0048, 70.6519,  
73.8156

# Harmonies

## Analogous

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



41.2264, 18.0287, 12.9711



34.9855, 18.0287, 1.9526



24.4173, 18.0287, 0.0000

# Triad

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



34.9855, 18.0287, 1.9526



5.3830, 18.0287, 6.3586



19.9276, 18.0287, 124.2691

# Complementary

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



34.9855, 18.0287, 1.9526



44.0200, 66.0624, 82.4235

# 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.



11.4682, 18.0287, 114.5840



34.9855, 18.0287, 1.9526



4.9274, 18.0287, 28.2493

# Square

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



34.9855, 18.0287, 1.9526



8.2998, 18.0287, 0.6660



6.7042, 18.0287, 71.2297



30.7095, 18.0287, 91.6779



# Rectangle

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



34.9855, 18.0287, 1.9526



17.5616, 18.0287, 0.0000



6.7042, 18.0287, 71.2297



16.7168, 18.0287, 126.1913

# Sweetspot

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



34.9859, 18.0299, 1.9528



65.7070, 56.6789, 51.7509



46.3854, 22.1477, 81.9504



13.4036, 11.1607, 9.7779



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.



34.9859, 18.0299, 1.9528



41.3050, 21.2860, 2.2723



40.1498, 28.4539, 3.3777



15.0937, 15.0653, 15.7785



19.1136, 9.8481, 1.1336



1.5108, 0.7773, 0.1414



# Inverse Universe

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



34.9859, 18.0299, 1.9528



41.3050, 21.2860, 2.2723



23.3195, 22.1804, 83.1724



15.0937, 15.0653, 15.7785



19.1136, 9.8481, 1.1336



1.5108, 0.7773, 0.1414



# Previews

## White Background



This preview shows how the XYZ color 34.9855, 18.0287, 1.9526 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 34.9855, 18.0287, 1.9526 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 34.9855, 18.0287, 1.9526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9855, 18.0287, 1.9526.



This preview shows how white text looks on a background with the XYZ color 34.9855, 18.0287,



# 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

34.9855, 18.0287, 1.9526

### Protanopia

16.8367, 18.6168, 4.2194

### Deuteranopia

18.7798, 18.6139, 2.6030



## Tritanopia

34.5479, 18.2360, 1.6990

# Trichromacy



## Original Color

34.9855, 18.0287, 1.9526

## Protanomaly

19.5655, 13.9014, 2.6293

## Deuteranomaly

21.6959, 14.7189, 1.8124

## Tritanomaly

34.7710, 18.1557, 1.7866

# Monochromacy



## Original Color

34.9855, 18.0287, 1.9526

## Achromatopsia

6.1596, 6.4803, 7.0571

## Achromatomaly

11.0684, 7.0898, 3.8027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9855, 18.0287, 1.9526 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 11) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9855, 18.0287, 1.9526 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, 11) }
```



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

```
.border{ border-color:rgb(237, 0, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 11);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 11)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 34.9855, 18.0287, 1.9526 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, 11) }
```

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

```
.background{ background-color: rgb(237, 0,  
11) }
```

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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