

Converting Colors

XYZ(35.1742, 18.1287, 1.8405)

Have a look what the booklet for
XYZ(35.1742, 18.1287, 1.8405)
contains.

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Color

**XYZ(35.2982, 18.1925,
1.8521)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0007
RGB	238, 0, 7
RGB Percent	93%, 0%, 3%
CMY	0.0667, 0.9998, 0.9725
CMYK	0.00, 1.00, 0.97, 0.07
HSL	358°, 100%, 47%
HSV	358°, 100%, 93%
XYZ	35.2982, 18.1925, 1.8521
YIQ	71.9600, 139.6010, 52.6330

Conversions

Conversions Part 2

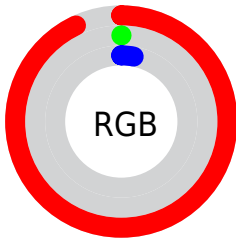
Format	Color
R_{YB}	238, 0, 7
Decimal	15597575
CIE Lab	49.73, 76.08, 61.89
CIE LCh	50, 98.077, 39.126
Yxy	18.1925, 0.6378, 0.3287
Android (android.graphics.Color)	4293787655 (0xFFEE0007)
YUV	71.9600, -32.0253, 145.6171
Hunter-Lab	42.6527, 73.0796, 27.2823

Details

The XYZ color **35.2982, 18.1925, 1.8521** 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 **45.0075, 66.9218, 86.1916**, and the grayscale version is **6.1952, 6.5179, 7.0980**.

A 20% lighter version of the original color is **45.9967, 29.4256, 7.6703**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.2976, 18.1922, 1.8503**, and if you desaturate by 10%, it is **35.8191, 18.9189, 2.9993**.

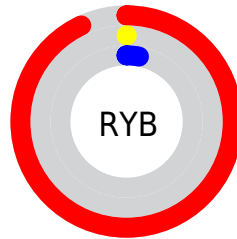
Distribution



Red (93%)

Green (0%)

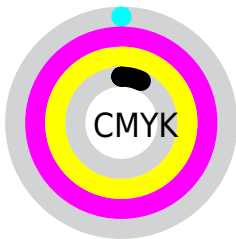
Blue (3%)



Red (93%)

Yellow (0%)

Blue (3%)

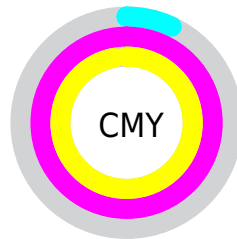


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2982, 18.1925, 1.8521 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 35.2982, 18.1925, 1.8521 by changing the saturation by 10% instead.


 35.2982, 18.1925,
1.8521


 35.2982, 18.1925,
1.8521


 317.3676,
241.9538, 120.0362


 24.0603, 11.0883,
0.4620


 67.2785, 40.3651,
8.6324

 15.5033, 6.1262,
0.0000


 88.7515, 56.2022,
14.9418

 9.2620, 2.9220,
0.0000


 114.3669, 75.7191,
23.7554

 4.9709, 1.0911,
0.0000

 144.4901, 99.3002,
35.4919

 2.2648, 0.0000,
0.0000

 179.4864,
127.3298, 50.5696


 0.7766, 0.0000,
0.0000


 219.7212,


 0.0000, 0.0000,


160.1923, 69.4072


0.0000


 265.5598,
198.2722, 92.4233


 35.2982, 18.1925,
1.8521


 35.2982, 18.1925,
1.8521


 35.2976, 18.1922,
1.8503

 35.8191, 18.9189,
2.9993

 36.9503, 20.5224,
5.4077

 38.8580, 23.2688,
9.3391

 41.6480, 27.3179,
14.9890

 45.4097, 32.8039,
22.5238

■ 50.2215, 39.8448,
32.0901

■ 56.1538, 48.5459,
43.8203

■ 63.2710, 59.0037,
57.8354

■ 71.6325, 71.3071,
74.2476

Harmonies

Analogous

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



41.7724, 18.1925, 12.7197



35.2982, 18.1925, 1.8521



24.5116, 18.1925, 0.0000

Triad

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



35.2982, 18.1925, 1.8521



5.3545, 18.1925, 6.5537



20.2990, 18.1925, 126.3352

Complementary

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



35.2982, 18.1925, 1.8521



45.0075, 66.9218, 86.1916

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.



11.6497, 18.1925, 117.1956



35.2982, 18.1925, 1.8521



4.9308, 18.1925, 29.1370

Square

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



35.2982, 18.1925, 1.8521



8.2547, 18.1925, 0.6751



6.7668, 18.1925, 73.2125



31.2790, 18.1925, 92.4852

Rectangle

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



35.2982, 18.1925, 1.8521



17.5667, 18.1925, 0.0000



6.7668, 18.1925, 73.2125



17.0191, 18.1925, 128.5667

Sweetspot

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



35.2986, 18.1937, 1.8523



65.5729, 56.6253, 51.0450



48.0880, 23.0086, 82.7947



13.3732, 11.1485, 9.6182



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.



35.2986, 18.1937, 1.8523



41.2807, 21.2763, 2.1445



40.9552, 29.5678, 3.5504



15.7915, 15.7663, 16.4582



19.7008, 10.1527, 1.0751



1.6454, 0.8472, 0.1238

Inverse Universe

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



35.2986, 18.1937, 1.8523



41.2807, 21.2763, 2.1445



23.0178, 21.3424, 83.7944



15.7915, 15.7663, 16.4582



19.7008, 10.1527, 1.0751



1.6454, 0.8472, 0.1238

Previews

White Background



This preview shows how the XYZ color 35.2982, 18.1925, 1.8521 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 35.2982, 18.1925, 1.8521

Background



This preview shows how black text looks on a background with the XYZ color 35.2982, 18.1925, 1.8521.



This preview shows how white text looks on a background with the XYZ color 35.2982, 18.1925,

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

35.2982, 18.1925, 1.8521

Protanopia

16.9689, 18.6881, 4.0793

Tritanopia

34.8790, 18.4067, 1.7145

Trichromacy



Original Color

35.2982, 18.1925, 1.8521

Protanomaly

19.7524, 14.0014, 2.4721

Tritanomaly

35.0985, 18.3252, 1.7734

Monochromacy



Original Color

35.2982, 18.1925, 1.8521

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

11.0262, 7.0729, 3.5804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2982, 18.1925, 1.8521 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 7) }
```

Border

The CSS property to change the border of an element to XYZ 35.2982, 18.1925, 1.8521 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, 7) }
```

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

```
.border{ border-color:rgb(238, 0, 7) }
```

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, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(238, 0, 7); box-shadow:4px  
4px 4px 4px rgb(238, 0, 7) }
```


Background

The CSS property to change the background color of an element to XYZ 35.2982, 18.1925, 1.8521 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, 7) }
```

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

```
.background{ background-color: rgb(238, 0,  
7) }
```

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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