

Converting Colors

XYZ(35.9383, 18.4156, 6.7084)

Have a look what the booklet for
XYZ(35.9383, 18.4156, 6.7084)
contains.

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Color

**XYZ(35.8792, 18.3862,
6.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0041
RGB	237, 0, 65
RGB Percent	93%, 0%, 25%
CMY	0.0706, 0.9998, 0.7451
CMYK	0.00, 1.00, 0.73, 0.07
HSL	344°, 100%, 46%
HSV	344°, 100%, 93%
XYZ	35.8792, 18.3862, 6.6589
YIQ	78.2730, 120.3870, 70.4590

Conversions

Conversions Part 2

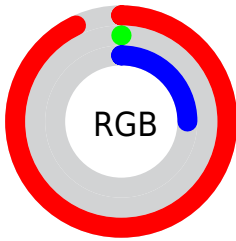
Format	Color
RYB	237, 0, 65
Decimal	15532097
CIELab	49.96, 77.04, 34.93
CIElCh	50, 84.591, 24.388
Yxy	18.3862, 0.5889, 0.3018
Android (android.graphics.Color)	4293722177 (0xFFED0041)
YUV	78.2730, -6.5436, 139.2036
Hunter-Lab	42.8791, 74.3218, 20.8080

Details

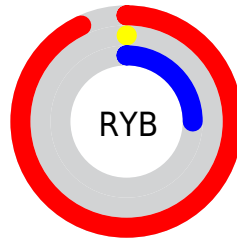
The XYZ color **35.8792, 18.3862, 6.6589** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **37.7368, 63.5492, 49.3366**, and the grayscale version is **7.2954, 7.6753, 8.3584**.

A 20% lighter version of the original color is **48.2233, 30.4577, 18.9600**, and **17.1679, 8.8325, 1.6106** is the 20% darker color. If you saturate the color by 10%, you get **35.8777, 18.3856, 6.6523**, and if you desaturate by 10%, it is **36.7773, 19.2601, 9.8027**.

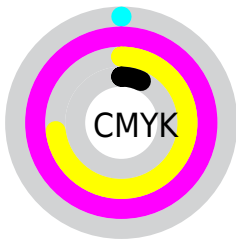
Distribution



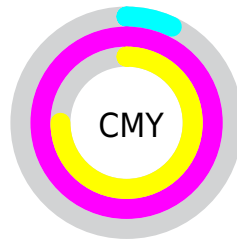
- Red (93%)
- Green (0%)
- Blue (25%)



- Red (93%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8792, 18.3862, 6.6589 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 35.8792, 18.3862, 6.6589 by changing the saturation by 10% instead.


 35.8792, 18.3862,
6.6589


 35.8792, 18.3862,
6.6589

319.8727,
243.0389, 174.3205


 24.5106, 11.2276,
3.1745


 68.1707, 40.6943,
19.7847

 15.8396, 6.2201,
1.1844


 89.8242, 56.6126,
30.2632


 9.5008, 2.9794,
0.0000


 115.6368, 76.2196,
43.9101

 5.1290, 1.1210,
0.0000

 145.9738, 99.8997,
61.1441

 2.3587, 0.0000,
0.0000

 181.2005,
128.0373, 82.3835

 0.8244, 0.0000,
0.0000

 221.6823,

 0.0000, 0.0000,

161.0168, 108.0471

0.0000

267.7846,
199.2225, 138.5532

■ 35.8792, 18.3862,
6.6589

■ 35.8792, 18.3862,
6.6589

■ 35.8777, 18.3856,
6.6523

■ 36.7773, 19.2601,
9.8027

■ 38.2315, 20.9831,
13.9423

■ 40.3764, 23.8065,
19.1777

■ 43.2947, 27.8797,
25.5870

■ 47.0570, 33.3285,
33.2403

■ 51.7254, 40.2633,
42.2016

■ 57.3561, 48.7831,
52.5305

■ 64.0005, 58.9783,
64.2825

■ 71.7065, 70.9326,
77.5102

Harmonies

Analogous

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



38.0491, 18.3862, 24.7133



35.8792, 18.3862, 6.6589



28.2226, 18.3862, 1.2366

Triad

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



35.8792, 18.3862, 6.6589



7.6145, 18.3862, 3.6470



15.9942, 18.3862, 105.5079

Complementary

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



35.8792, 18.3862, 6.6589



37.7368, 63.5492, 49.3366

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.



9.8755, 18.3862, 82.7252



35.8792, 18.3862, 6.6589



6.0949, 18.3862, 15.9611

Square

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



35.8792, 18.3862, 6.6589



11.7936, 18.3862, 0.6360



6.7710, 18.3862, 44.7106



24.7400, 18.3862, 94.4917

Rectangle

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



35.8792, 18.3862, 6.6589



22.0184, 18.3862, 0.3265



6.7710, 18.3862, 44.7106



13.6049, 18.3862, 101.2244

Sweetspot

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



35.8796, 18.3874, 6.6592



67.6232, 57.4454, 61.8416



31.8353, 14.6469, 81.2694



13.8428, 11.3363, 12.0907



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.



35.8796, 18.3874, 6.6592



42.3420, 21.7008, 7.7333



36.1264, 20.4070, 2.0366



15.2351, 15.1219, 16.5232



19.6354, 10.0568, 3.8813



1.5812, 0.8055, 0.5121

Inverse Universe

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



35.8796, 18.3874, 6.6592



42.3420, 21.7008, 7.7333



32.7746, 41.0905, 86.3241



15.2351, 15.1219, 16.5232



19.6354, 10.0568, 3.8813



1.5812, 0.8055, 0.5121

Previews

White Background



This preview shows how the XYZ color 35.8792, 18.3862, 6.6589 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8792, 18.3862, 6.6589 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 35.8792, 18.3862, 6.6589

Background



This preview shows how black text looks on a background with the XYZ color 35.8792, 18.3862, 6.6589.



This preview shows how white text looks on a background with the XYZ color 35.8792, 18.3862,

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

35.8792, 18.3862, 6.6589

Protanopia

17.7762, 18.8852, 14.0176

Deuteranopia

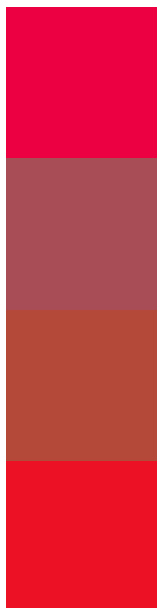
19.1678, 18.9081, 6.0075



Tritanopia

35.1103, 18.6672, 2.4144

Trichromacy



Original Color

35.8792, 18.3862, 6.6589

Protanomaly

20.3726, 14.1496, 10.2517

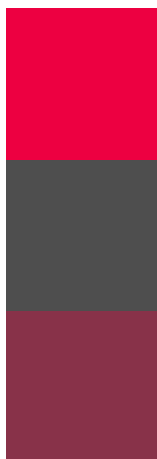
Deuteranomaly

22.1771, 14.8843, 5.5750

Tritanomaly

35.1110, 18.3611, 3.3626

Monochromacy



Original Color

35.8792, 18.3862, 6.6589

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.4965, 7.9965, 7.1882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8792, 18.3862, 6.6589 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 35.8792, 18.3862, 6.6589 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, 65) }
```


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

```
.border{ border-color:rgb(237, 0, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8792, 18.3862, 6.6589 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, 65) }
```

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

```
.background{ background-color: rgb(237, 0,  
65) }
```

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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