

Converting Colors

XYZ(33.5525, 14.8814, 6.1802)

Have a look what the booklet for
XYZ(33.5525, 14.8814, 6.1802)
contains.

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Color

**XYZ(35.2151, 18.0438,
6.6278)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EB0041 |
| RGB | 235, 0, 65 |
| RGB Percent | 92%, 0%, 25% |
| CMY | 0.0784, 0.9998, 0.7451 |
| CMYK | 0.00, 1.00, 0.72, 0.08 |
| HSL | 343°, 100%, 46% |
| HSV | 343°, 100%, 92% |
| XYZ | 35.2151, 18.0438, 6.6278 |
| YIQ | 77.6750, 119.1950, 70.0350 |

Conversions

Conversions Part 2

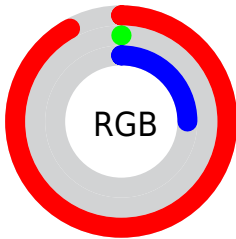
| Format | Color |
|-------------------------------------|--|
| RYB | 235, 0, 65 |
| Decimal | 15401025 |
| CIELab | 49.55, 76.58, 34.34 |
| CIELCh | 50, 83.923, 24.155 |
| Yxy | 18.0438, 0.5880, 0.3013 |
| Android (android.graphics.Color) | 4293591105 (0xFFEB0041) |
| YUV | 77.6750, -6.2488, 137.9740 |
| Hunter-Lab | 42.4780, 73.6436, 20.4836 |

Details

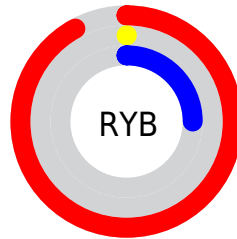
The XYZ color **35.2151, 18.0438, 6.6278** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.9698, 62.3210, 48.1382**, and the grayscale version is **7.1817, 7.5557, 8.2282**.

A 20% lighter version of the original color is **48.1350, 30.2810, 18.9306**, and **16.7322, 8.6079, 1.5902** is the 20% darker color. If you saturate the color by 10%, you get **35.2137, 18.0433, 6.6216**, and if you desaturate by 10%, it is **36.1015, 18.9064, 9.7301**.

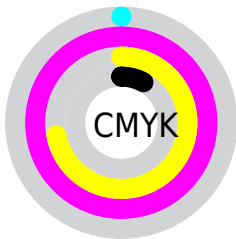
Distribution



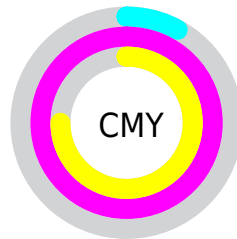
- Red (92%)
- Green (0%)
- Blue (25%)



- Red (92%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2151, 18.0438, 6.6278 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 35.2151, 18.0438, 6.6278 by changing the saturation by 10% instead.


 35.2151, 18.0438,
6.6278


 35.2151, 18.0438,
6.6278


317.0082,
241.1178, 174.0460


 23.9959, 10.9814,
3.1555


 67.1507, 40.1119,
19.7204


 15.4553, 6.0544,
1.1746


 88.5978, 55.8865,
30.1778

 9.2279, 2.8782,
0.0000


 114.1849, 75.3339,
43.8007

 4.9485, 1.0685,
0.0000

 144.2774, 98.8386,
61.0076

 2.2515, 0.0000,
0.0000

 179.2406,
126.7850, 82.2170

 0.7697, 0.0000,
0.0000

 219.4399,

 0.0000, 0.0000,

159.5573, 107.8475

0.0000

265.2406,
197.5402, 138.3177

■ 35.2151, 18.0438,
6.6278

■ 35.2151, 18.0438,
6.6278

■ 35.2137, 18.0433,
6.6216

■ 36.1015, 18.9064,
9.7301

■ 37.5320, 20.6006,
13.8046

■ 39.6389, 23.3735,
18.9491

■ 42.5032, 27.3713,
25.2392

■ 46.1936, 32.7172,
32.7431

■ 50.7711, 39.5192,
41.5230

■ 56.2906, 47.8742,
51.6367

■ 62.8022, 57.8708,
63.1383

■ 70.3529, 69.5910,
76.0788

Harmonies

Analogous

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



37.2878, 18.0438, 24.4497



35.2151, 18.0438, 6.6278



27.7464, 18.0438, 1.2392

Triad

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



35.2151, 18.0438, 6.6278



7.5055, 18.0438, 3.5462



15.6403, 18.0438, 103.2705

Complementary

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



35.2151, 18.0438, 6.6278



36.9698, 62.3210, 48.1382

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.



9.6671, 18.0438, 80.7651



35.2151, 18.0438, 6.6278



5.9970, 18.0438, 15.5178

Square

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



35.2151, 18.0438, 6.6278



11.6258, 18.0438, 0.6190



6.6436, 18.0438, 43.5497



24.1945, 18.0438, 92.7523

Rectangle

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



35.2151, 18.0438, 6.6278



21.6704, 18.0438, 0.3283



6.6436, 18.0438, 43.5497



13.3066, 18.0438, 98.9913

Sweetspot

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



35.2155, 18.0449, 6.6280



67.6441, 57.4538, 61.9517



31.2365, 14.3717, 79.7245



13.8476, 11.3383, 12.1162



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.



35.2155, 18.0449, 6.6280



42.3610, 21.7084, 7.8330



35.4432, 20.0264, 1.9990



15.2366, 15.1225, 16.5310



19.6445, 10.0605, 3.9294



1.5821, 0.8058, 0.5167

Inverse Universe

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



35.2155, 18.0449, 6.6280



42.3610, 21.7084, 7.8330



32.1562, 40.3190, 84.6843



15.2366, 15.1225, 16.5310



19.6445, 10.0605, 3.9294



1.5821, 0.8058, 0.5167

Previews

White Background



This preview shows how the XYZ color 35.2151, 18.0438, 6.6278 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 35.2151, 18.0438, 6.6278 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 35.2151, 18.0438, 6.6278

Background



This preview shows how black text looks on a background with the XYZ color 35.2151, 18.0438, 6.6278.



This preview shows how white text looks on a background with the XYZ color 35.2151, 18.0438,

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

35.2151, 18.0438, 6.6278

Protanopia

17.5069, 18.5687, 13.9707

Deuteranopia

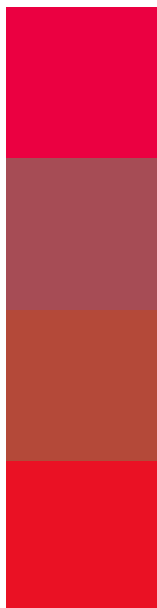
18.8727, 18.5876, 5.9612



Tritanopia

34.4499, 18.3268, 2.3835

Trichromacy



Original Color

35.2151, 18.0438, 6.6278

Protanomaly

19.9500, 13.9318, 10.2319

Deuteranomaly

21.9435, 14.7638, 5.5640

Tritanomaly

34.4506, 18.0207, 3.3317

Monochromacy



Original Color

35.2151, 18.0438, 6.6278

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.3349, 7.9131, 7.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2151, 18.0438, 6.6278 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, 0, 65)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 35.2151, 18.0438, 6.6278 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, 0, 65) }
```


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

```
.border{ border-color:rgb(235, 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(235, 0, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.2151, 18.0438, 6.6278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 65) }
```

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

```
.background{ background-color: rgb(235, 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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