

Converting Colors

XYZ(35.4910, 18.2944, 7.6466)

Have a look what the booklet for
XYZ(35.4910, 18.2944, 7.6466)
contains.

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Color

**XYZ(35.4851, 18.2908,
7.6214)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0847
RGB	235, 8, 71
RGB Percent	92%, 3%, 28%
CMY	0.0784, 0.9684, 0.7216
CMYK	0.00, 0.97, 0.70, 0.08
HSL	343°, 93%, 48%
HSV	343°, 97%, 92%
XYZ	35.4851, 18.2908, 7.6214
YIQ	83.0550, 115.0690, 67.7170

Conversions

Conversions Part 2

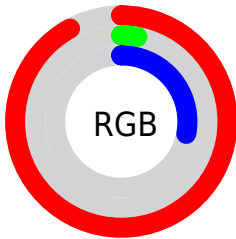
Format	Color
R_{YB}	235, 8, 71
Decimal	15403079
CIE Lab	49.85, 76.21, 31.10
CIE LCh	50, 82.311, 22.203
Yxy	18.2908, 0.5780, 0.2979
Android (android.graphics.Color)	4293593159 (0xFFEB0847)
YUV	83.0550, -5.9431, 133.2558
Hunter-Lab	42.7677, 73.2608, 19.3717

Details

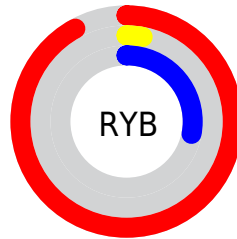
The XYZ color **35.4851, 18.2908, 7.6214** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **37.2611, 62.4491, 49.1498**, and the grayscale version is **8.2352, 8.6641, 9.4352**.

A 20% lighter version of the original color is **48.6620, 30.7763, 20.8284**, and **16.7993, 8.6348, 1.9436** is the 20% darker color. If you saturate the color by 10%, you get **35.2199, 18.0457, 6.6545**, and if you desaturate by 10%, it is **36.5262, 19.3758, 11.0435**.

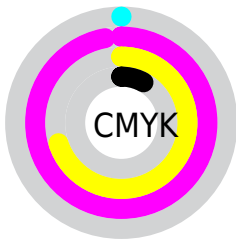
Distribution



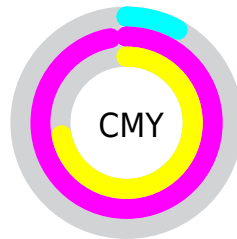
- Red (92%)
- Green (3%)
- Blue (28%)



- Red (92%)
- Yellow (3%)
- Blue (28%)



- Cyan (0%)
- Magenta (97%)
- Yellow (70%)
- Black (8%)





- Cyan (8%)
- Magenta (97%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4851, 18.2908, 7.6214 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 35.4851, 18.2908, 7.6214 by changing the saturation by 10% instead.


 35.4851, 18.2908,
7.6214


 35.4851, 18.2908,
7.6214


318.1750,
242.5051, 182.5538

 24.2051, 11.1590,
3.7694


 67.5657, 40.5322,
21.7466


 15.6114, 6.1739,
1.4997


 89.0969, 56.4106,
32.8569


 9.3387, 2.9511,
0.2177


 114.7759, 75.9733,
47.2236

 5.0216, 1.1062,
0.0000

 144.9681, 99.6047,
65.2654

 2.2948, 0.0000,
0.0000

 180.0387,
127.6891, 87.4008

 0.7920, 0.0000,
0.0000

 220.3531,

 0.0000, 0.0000,

160.6111, 114.0483

0.0000

266.2768,
198.7549, 145.6265

■ 35.4851, 18.2908,
7.6214

■ 35.4851, 18.2908,
7.6214

■ 35.2199, 18.0457,
6.6545

■ 36.5262, 19.3758,
11.0435

■ 38.1777, 21.4193,
15.4773

■ 40.5346, 24.5946,
21.0061

■ 43.6730, 29.0386,
27.7024

■ 47.6587, 34.8688,
35.6320

■ 52.5503, 42.1890,
44.8553

■ 58.4008, 51.0930,
55.4286

■ 65.2594, 61.6670,
67.4048

■ 73.1716, 73.9909,
80.8337

Harmonies

Analogous

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



37.0884, 18.2908, 26.3888



35.4851, 18.2908, 7.6214



28.3997, 18.2908, 1.5516

Triad

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



35.4851, 18.2908, 7.6214



7.9627, 18.2908, 3.4169



15.4127, 18.2908, 101.0423

Complementary

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



35.4851, 18.2908, 7.6214



37.2611, 62.4491, 49.1498

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.



9.6651, 18.2908, 77.4997



35.4851, 18.2908, 7.6214



6.2928, 18.2908, 14.5983

Square

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



35.4851, 18.2908, 7.6214



12.2726, 18.2908, 0.6806



6.8047, 18.2908, 41.1797



23.7499, 18.2908, 92.9659

Rectangle

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



35.4851, 18.2908, 7.6214



22.4296, 18.2908, 0.5293



6.8047, 18.2908, 41.1797



13.1596, 18.2908, 96.1843

Sweetspot

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



35.4855, 18.2919, 7.6217



68.3826, 58.5715, 63.3053



31.8121, 14.7974, 79.7762



13.9878, 11.5487, 12.3784



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.



35.4855, 18.2919, 7.6217



42.3684, 21.7114, 7.8722



35.7794, 20.6288, 2.3274



15.2371, 15.1227, 16.5340



19.6481, 10.0619, 3.9483



1.5824, 0.8059, 0.5186

Inverse Universe

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



35.4855, 18.2919, 7.6217



42.3684, 21.7114, 7.8722



32.6191, 41.0960, 84.8098



15.2371, 15.1227, 16.5340



19.6481, 10.0619, 3.9483



1.5824, 0.8059, 0.5186

Previews

White Background



This preview shows how the XYZ color 35.4851, 18.2908, 7.6214 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 35.4851, 18.2908, 7.6214 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 35.4851, 18.2908, 7.6214

Background



This preview shows how black text looks on a background with the XYZ color 35.4851, 18.2908, 7.6214.

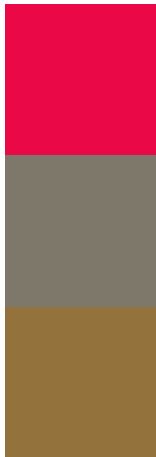


This preview shows how white text looks on a background with the XYZ color 35.4851, 18.2908,

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

35.4851, 18.2908, 7.6214

Protanopia

17.7237, 18.8128, 16.0617

Deuteranopia

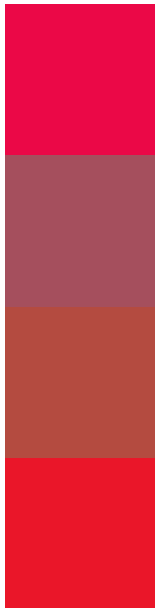
19.0457, 18.6568, 6.8723



Tritanopia

34.5608, 18.4869, 2.6109

Trichromacy



Original Color

35.4851, 18.2908, 7.6214

Protanomaly

20.2888, 14.3816, 12.0625

Deuteranomaly

22.2639, 15.1056, 6.5927

Tritanomaly

34.6188, 18.2263, 3.7912

Monochromacy



Original Color

35.4851, 18.2908, 7.6214

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

13.3067, 8.7961, 8.3936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4851, 18.2908, 7.6214 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, 8, 71)` looks like.

```
.text, #text, p{  
    color:rgb(235, 8, 71)  
}
```

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, 8, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 8, 71) }
```

Border

The CSS property to change the border of an element to XYZ 35.4851, 18.2908, 7.6214 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, 8, 71) }
```


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

```
.border{ border-color:rgb(235, 8, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 8, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 8, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 8, 71);  
box-shadow:4px 4px 4px 4px rgb(235, 8, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.4851, 18.2908, 7.6214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 8, 71) }
```

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

```
.background{ background-color: rgb(235, 8,  
71) }
```

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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