

Converting Colors

XYZ(34.8755, 16.5299, 9.4698)

Have a look what the booklet for
XYZ(34.8755, 16.5299, 9.4698)
contains.

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Color

**XYZ(35.8223, 18.2867,
9.8253)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0053
RGB	235, 0, 83
RGB Percent	92%, 0%, 33%
CMY	0.0784, 0.9998, 0.6745
CMYK	0.00, 1.00, 0.65, 0.08
HSL	339°, 100%, 46%
HSV	339°, 100%, 92%
XYZ	35.8223, 18.2867, 9.8253
YIQ	79.7270, 113.4170, 75.6330

Conversions

Conversions Part 2

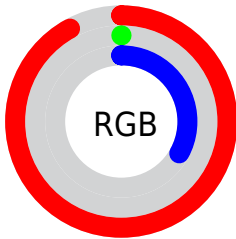
Format	Color
RYB	235, 0, 83
Decimal	15401043
CIELab	49.84, 77.37, 23.81
CIELCh	50, 80.948, 17.109
Yxy	18.2867, 0.5603, 0.2860
Android (android.graphics.Color)	4293591123 (0xFFEB0053)
YUV	79.7270, 1.6136, 136.1744
Hunter-Lab	42.7630, 74.6933, 16.3115

Details

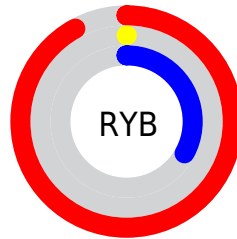
The XYZ color **35.8223, 18.2867, 9.8253** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.3809, 61.6855, 39.7713**, and the grayscale version is **7.5595, 7.9532, 8.6610**.

A 20% lighter version of the original color is **49.4076, 30.9314, 25.1961**, and **17.1608, 8.8044, 2.7144** is the 20% darker color. If you saturate the color by 10%, you get **35.8207, 18.2860, 9.8179**, and if you desaturate by 10%, it is **36.7926, 19.1829, 13.3693**.

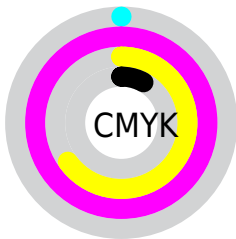
Distribution



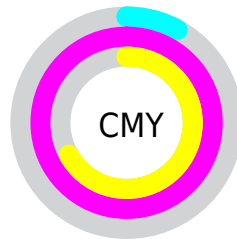
- Red (92%)
- Green (0%)
- Blue (33%)



- Red (92%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8223, 18.2867, 9.8253 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 35.8223, 18.2867, 9.8253 by changing the saturation by 10% instead.

 35.8223, 18.2867,
9.8253


 35.8223, 18.2867,
9.8253

319.6280,
242.4821, 199.8599


 24.4665, 11.1560,
5.1792


 68.0834, 40.5253,
26.0690


 15.8066, 6.1719,
2.2922


 89.7193, 56.4019,
38.5038


 9.4774, 2.9499,
0.7268


 115.5127, 75.9627,
54.3718

 5.1134, 1.1056,
0.0000

 145.8288, 99.5920,
74.0916

 2.3494, 0.0000,
0.0000

 181.0330,
127.6742, 98.0818

 0.8198, 0.0000,
0.0000

 221.4907,

 0.0000, 0.0000,

160.5936, 126.7609

0.0000

267.5673,
198.7348, 160.5474

■ 35.8223, 18.2867,
9.8253

■ 35.8223, 18.2867,
9.8253

■ 35.8207, 18.2860,
9.8179

■ 36.7926, 19.1829,
13.3693

■ 38.2832, 20.9011,
17.7599

■ 40.4225, 23.6870,
23.0752

■ 43.2884, 27.6854,
29.3736

■ 46.9467, 33.0185,
36.7080

■ 51.4556, 39.7930,
45.1267

■ 56.8675, 48.1051,
54.6745

■ 63.2307, 58.0423,
65.3937

■ 70.5895, 69.6858,
77.3241

Harmonies

Analogous

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



36.2831, 18.2867, 31.0055



35.8223, 18.2867, 9.8253



29.5954, 18.2867, 2.1688

Triad

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



35.8223, 18.2867, 9.8253



8.6030, 18.2867, 2.7147



14.2696, 18.2867, 96.9786

Complementary

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



35.8223, 18.2867, 9.8253



35.3809, 61.6855, 39.7713

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.



9.0965, 18.2867, 70.2594



35.8223, 18.2867, 9.8253



6.5406, 18.2867, 11.8401

Square

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



35.8223, 18.2867, 9.8253



13.3625, 18.2867, 0.5991



6.6894, 18.2867, 35.2542



22.1337, 18.2867, 94.6659

Rectangle

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



35.8223, 18.2867, 9.8253



23.8316, 18.2867, 0.7943



6.6894, 18.2867, 35.2542



12.2140, 18.2867, 90.5713

Sweetspot

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



35.8227, 18.2878, 9.8256



68.3409, 57.7325, 65.6208



27.3637, 12.3752, 79.5433



14.0097, 11.4031, 12.9696



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.



35.8227, 18.2878, 9.8256



43.0865, 21.9986, 11.6537



34.7611, 18.6623, 1.7717



15.2851, 15.1419, 16.7866



19.9909, 10.1990, 5.7532



1.6140, 0.8186, 0.6848

Inverse Universe

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



35.8227, 18.2878, 9.8256



43.0865, 21.9986, 11.6537



36.5114, 49.0293, 86.1361



15.2851, 15.1419, 16.7866



19.9909, 10.1990, 5.7532



1.6140, 0.8186, 0.6848

Previews

White Background



This preview shows how the XYZ color 35.8223, 18.2867, 9.8253 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 35.8223, 18.2867, 9.8253 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 35.8223, 18.2867, 9.8253

Background



This preview shows how black text looks on a background with the XYZ color 35.8223, 18.2867, 9.8253.



This preview shows how white text looks on a background with the XYZ color 35.8223, 18.2867,

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

35.8223, 18.2867, 9.8253

Protanopia

18.2554, 18.9757, 21.1129

Deuteranopia

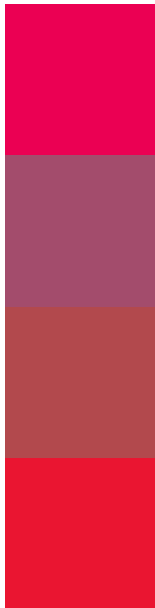
19.1874, 18.8535, 8.9311



Tritanopia

34.3825, 18.5051, 2.9880

Trichromacy



Original Color

35.8223, 18.2867, 9.8253

Protanomaly

20.3955, 14.0381, 15.8220

Deuteranomaly

22.0822, 14.7659, 8.7074

Tritanomaly

34.7542, 18.2505, 4.5967

Monochromacy



Original Color

35.8223, 18.2867, 9.8253

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.8224, 8.1960, 8.6907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8223, 18.2867, 9.8253 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, 83)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 35.8223, 18.2867, 9.8253 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, 83) }
```


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

```
.border{ border-color:rgb(235, 0, 83) }
```

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, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8223, 18.2867, 9.8253 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, 83) }
```

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

```
.background{ background-color: rgb(235, 0,  
83) }
```

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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