

Converting Colors

XYZ(35.7683, 17.5723, 10.7245)

Have a look what the booklet for
XYZ(35.7683, 17.5723, 10.7245)
contains.

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Color

**XYZ(36.3535, 18.5374,
10.8946)**

Conversions

Conversions Part 1

Format	Color
Hex	EC0058
RGB	236, 0, 88
RGB Percent	93%, 0%, 35%
CMY	0.0745, 0.9998, 0.6549
CMYK	0.00, 1.00, 0.63, 0.07
HSL	338°, 100%, 46%
HSV	338°, 100%, 93%
XYZ	36.3535, 18.5374, 10.8946
YIQ	80.5960, 112.4080, 77.4000

Conversions

Conversions Part 2

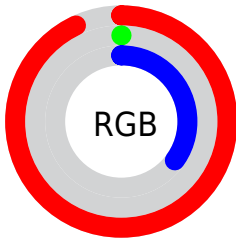
Format	Color
R_{YB}	236, 0, 88
Decimal	15466584
CIE _{Lab}	50.14, 77.85, 21.19
CIE _{LCh}	50, 80.683, 15.225
Yxy	18.5374, 0.5526, 0.2818
Android (android.graphics.Color)	4293656664 (0xFFEC0058)
YUV	80.5960, 3.6502, 136.2893
Hunter-Lab	43.0551, 75.3698, 15.1359

Details

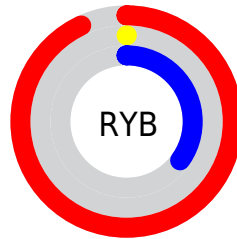
The XYZ color **36.3535, 18.5374, 10.8946** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.3455, 62.1307, 38.1689**, and the grayscale version is **7.7250, 8.1273, 8.8506**.

A 20% lighter version of the original color is **49.7581, 31.0716, 27.0418**, and **17.4679, 8.9525, 3.1902** is the 20% darker color. If you saturate the color by 10%, you get **36.3519, 18.5368, 10.8871**, and if you desaturate by 10%, it is **37.3498, 19.4472, 14.5655**.

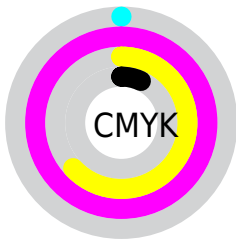
Distribution



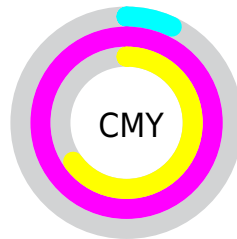
- Red (93%)
- Green (0%)
- Blue (35%)



- Red (93%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3535, 18.5374, 10.8946 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 36.3535, 18.5374, 10.8946 by changing the saturation by 10% instead.


 36.3535, 18.5374,
10.8946


 36.3535, 18.5374,
10.8946


321.9074,
243.8829, 207.6544


 24.8787, 11.3365,
5.8827

 68.8976, 40.9509,
28.0988


 16.1150, 6.2936,
2.7063


 90.6977, 56.9324,
41.1281


 9.6969, 3.0244,
0.9466


 116.6702, 76.6094,
57.6671

 5.2592, 1.1445,
0.0000

 147.1806,
100.3665, 78.1342

 2.4364, 0.0157,
0.0000

 182.5941,
128.5880, 102.9479

 0.8633, 0.0000,
0.0000

 223.2762,

 0.0000, 0.0000,

161.6583, 132.5268

0.0000

269.5921,
199.9618, 167.2895

■ 36.3535, 18.5374,
10.8946

■ 36.3535, 18.5374,
10.8946

■ 36.3519, 18.5368,
10.8871

■ 37.3498, 19.4472,
14.5655

■ 38.8653, 21.1849,
19.0581

■ 41.0289, 23.9980,
24.4470

■ 43.9184, 28.0326,
30.7879

■ 47.5999, 33.4118,
38.1308

■ 52.1315, 40.2434,
46.5214

■ 57.5658, 48.6241,
56.0023

■ 63.9508, 58.6425,
66.6136

■ 71.3311, 70.3801,
78.3930

Harmonies

Analogous

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



36.4027, 18.5374, 33.2000



36.3535, 18.5374, 10.8946



30.3950, 18.5374, 2.4892

Triad

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



36.3535, 18.5374, 10.8946



8.9907, 18.5374, 2.5485



14.0730, 18.5374, 96.4106

Complementary

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



36.3535, 18.5374, 10.8946



35.3455, 62.1307, 38.1689

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.



9.0438, 18.5374, 68.4273



36.3535, 18.5374, 10.8946



6.7520, 18.5374, 11.1111

Square

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



36.3535, 18.5374, 10.8946



13.9757, 18.5374, 0.6013



6.7680, 18.5374, 33.6540



21.8467, 18.5374, 96.1643

Rectangle

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



36.3535, 18.5374, 10.8946



24.6608, 18.5374, 0.9225



6.7680, 18.5374, 33.6540



12.0646, 18.5374, 89.4206

Sweetspot

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



36.3539, 18.5386, 10.8949



68.5243, 57.8058, 66.5868



26.9158, 12.1275, 80.2786



14.0525, 11.4202, 13.1952



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.



36.3539, 18.5386, 10.8949



43.3077, 22.0871, 12.8186



34.9976, 18.6437, 1.7556



15.2977, 15.1469, 16.8527



20.0955, 10.2409, 6.3042



1.6232, 0.8222, 0.7331

Inverse Universe

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



36.3539, 18.5386, 10.8949



43.3077, 22.0871, 12.8186



37.8122, 51.3990, 87.2845



15.2977, 15.1469, 16.8527



20.0955, 10.2409, 6.3042



1.6232, 0.8222, 0.7331

Previews

White Background



This preview shows how the XYZ color 36.3535, 18.5374, 10.8946 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 36.3535, 18.5374, 10.8946 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 36.3535, 18.5374, 10.8946

Background



This preview shows how black text looks on a background with the XYZ color 36.3535, 18.5374, 10.8946.



This preview shows how white text looks on a background with the XYZ color 36.3535, 18.5374,

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

36.3535, 18.5374, 10.8946

Protanopia

18.5641, 19.0829, 23.4738

Deuteranopia

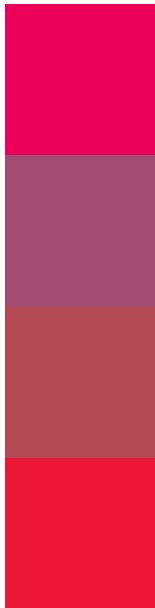
19.4746, 19.1518, 9.8780



Tritanopia

34.7934, 18.7988, 3.1612

Trichromacy



Original Color

36.3535, 18.5374, 10.8946

Protanomaly

20.7260, 14.1703, 17.5624

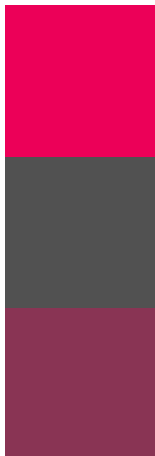
Deuteranomaly

22.5622, 15.0905, 9.7062

Tritanomaly

35.1677, 18.4839, 4.9630

Monochromacy



Original Color

36.3535, 18.5374, 10.8946

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.1448, 8.4144, 9.3188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3535, 18.5374, 10.8946 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(236, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 88)  
}
```

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(236, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 88) }
```

Border

The CSS property to change the border of an element to XYZ 36.3535, 18.5374, 10.8946 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(236, 0, 88) }
```


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

```
.border{ border-color:rgb(236, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(236, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.3535, 18.5374, 10.8946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 88) }
```

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

```
.background{ background-color: rgb(236, 0,  
88) }
```

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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