

Converting Colors

XYZ(36.7762, 18.7389, 11.6564)

Have a look what the booklet for
XYZ(36.7762, 18.7389, 11.6564)
contains.

XYZ(36.8134, 18.7599, 11.5783)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.8134, 18.7599,
11.5783)**

Conversions

Conversions Part 1

Format	Color
Hex	ED005B
RGB	237, 0, 91
RGB Percent	93%, 0%, 36%
CMY	0.0706, 0.9998, 0.6431
CMYK	0.00, 1.00, 0.62, 0.07
HSL	337°, 100%, 46%
HSV	337°, 100%, 93%
XYZ	36.8134, 18.7599, 11.5783
YIQ	81.2370, 112.0410, 78.5450

Conversions

Conversions Part 2

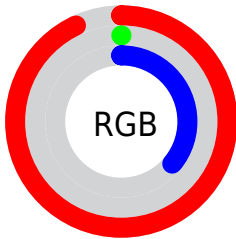
Format	Color
RYB	237, 0, 91
Decimal	15532123
CIELab	50.41, 78.24, 19.74
CIElCh	50, 80.690, 14.160
Yxy	18.7599, 0.5482, 0.2794
Android (android.graphics.Color)	4293722203 (0xFFED005B)
YUV	81.2370, 4.8132, 136.6042
Hunter-Lab	43.3127, 75.9179, 14.4696

Details

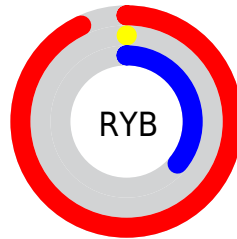
The XYZ color **36.8134, 18.7599, 11.5783** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **35.4777, 62.6456, 37.4401**, and the grayscale version is **7.8497, 8.2585, 8.9935**.

A 20% lighter version of the original color is **50.0504, 31.1885, 28.5813**, and **17.7267, 9.0815, 3.4034** is the 20% darker color. If you saturate the color by 10%, you get **36.8116, 18.7591, 11.5700**, and if you desaturate by 10%, it is **37.8275, 19.6802, 15.3329**.

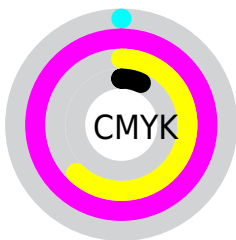
Distribution



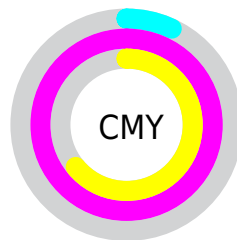
- Red (93%)
- Green (0%)
- Blue (36%)



- Red (93%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8134, 18.7599, 11.5783 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 36.8134, 18.7599, 11.5783 by changing the saturation by 10% instead.

 36.8134, 18.7599,
11.5783


 36.8134, 18.7599,
11.5783


323.8715,
245.1201, 212.4710


 25.2361, 11.4969,
6.3382


 69.6014, 41.3280,
29.3775


 16.3827, 6.4021,
2.9797


 91.5428, 57.4019,
42.7737


 9.8879, 3.0911,
1.0843


 117.6695, 77.1815,
59.7257

 5.3864, 1.1795,
0.0000

 148.3470,
101.0514, 80.6520

 2.5128, 0.0448,
0.0000

 183.9406,
129.3957, 105.9711

 0.9017, 0.0000,
0.0000

 224.8156,

 0.0000, 0.0000,

162.5990, 136.1016

0.0000

271.3375,
201.0457, 171.4621

■ 36.8134, 18.7599,
11.5783

■ 36.8134, 18.7599,
11.5783

■ 36.8116, 18.7591,
11.5700

■ 37.8275, 19.6802,
15.3329

■ 39.3626, 21.4355,
19.8983

■ 41.5482, 24.2752,
25.3478

■ 44.4624, 28.3468,
31.7357

■ 48.1719, 33.7745,
39.1108

■ 52.7350, 40.6671,
47.5177

■ 58.2045, 49.1224,
56.9980

■ 64.6288, 59.2296,
67.5905

■ 72.0525, 71.0711,
79.3322

Harmonies

Analogous

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



36.6281, 18.7599, 34.6280



36.8134, 18.7599, 11.5783



30.9845, 18.7599, 2.6939

Triad

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



36.8134, 18.7599, 11.5783



9.2533, 18.7599, 2.4684



14.0232, 18.7599, 96.5102

Complementary

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



36.8134, 18.7599, 11.5783



35.4777, 62.6456, 37.4401

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.



9.0528, 18.7599, 67.7036



36.8134, 18.7599, 11.5783



6.9022, 18.7599, 10.7603

Square

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



36.8134, 18.7599, 11.5783



14.3904, 18.7599, 0.6059



6.8416, 18.7599, 32.9172



21.7799, 18.7599, 97.4364

Rectangle

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



36.8134, 18.7599, 11.5783



25.2442, 18.7599, 0.9990



6.8416, 18.7599, 32.9172



12.0325, 18.7599, 89.1638

Sweetspot

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



36.8139, 18.7611, 11.5786



68.6282, 57.8474, 67.1339



26.4804, 11.8863, 81.0189



14.0768, 11.4300, 13.3231



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.



36.8139, 18.7611, 11.5786



43.4386, 22.1394, 13.5076



35.2468, 18.6477, 1.7434



15.3047, 15.1497, 16.8900



20.1572, 10.2656, 6.6293



1.6285, 0.8244, 0.7612

Inverse Universe

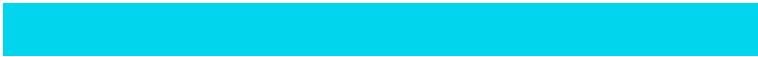
The Inverse Universe completely reimagines the original color for something new.



36.8139, 18.7611, 11.5786



43.4386, 22.1394, 13.5076



39.1579, 53.8571, 88.4519



15.3047, 15.1497, 16.8900



20.1572, 10.2656, 6.6293



1.6285, 0.8244, 0.7612

Previews

White Background



This preview shows how the XYZ color 36.8134, 18.7599, 11.5783 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 36.8134, 18.7599, 11.5783 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 36.8134, 18.7599, 11.5783

Background



This preview shows how black text looks on a background with the XYZ color 36.8134, 18.7599, 11.5783.

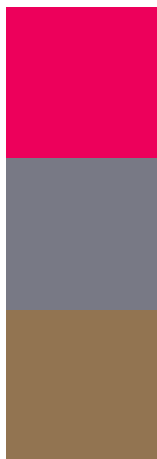


This preview shows how white text looks on a background with the XYZ color 36.8134, 18.7599,

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

36.8134, 18.7599, 11.5783

Protanopia

18.8167, 19.3613, 24.9357

Deuteranopia

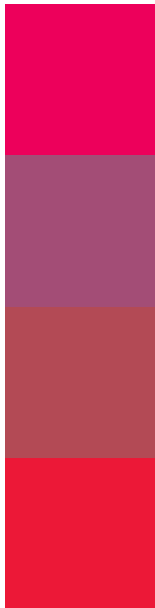
19.5847, 19.1959, 10.4575



Tritanopia

35.2113, 19.1008, 3.3444

Trichromacy



Original Color

36.8134, 18.7599, 11.5783

Protanomaly

21.0281, 14.4023, 18.8112

Deuteranomaly

22.6789, 15.1371, 10.3208

Tritanomaly

35.6083, 18.7620, 5.3591

Monochromacy



Original Color

36.8134, 18.7599, 11.5783

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.3489, 8.5151, 9.5343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8134, 18.7599, 11.5783 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 91) }
```

Border

The CSS property to change the border of an element to XYZ 36.8134, 18.7599, 11.5783 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, 91) }
```


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

```
.border{ border-color:rgb(237, 0, 91) }
```

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, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.8134, 18.7599, 11.5783 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, 91) }
```

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

```
.background{ background-color: rgb(237, 0,  
91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor