

Converting Colors

XYZ(37.2749, 18.8525, 18.1632)

Have a look what the booklet for
XYZ(37.2749, 18.8525, 18.1632)
contains.

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Color

**XYZ(37.4133, 18.9231,
18.2036)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0074
RGB	235, 0, 116
RGB Percent	92%, 0%, 45%
CMY	0.0784, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.51, 0.08
HSL	330°, 100%, 46%
HSV	330°, 100%, 92%
XYZ	37.4133, 18.9231, 18.2036
YIQ	83.4890, 102.8240, 85.8960

Conversions

Conversions Part 2

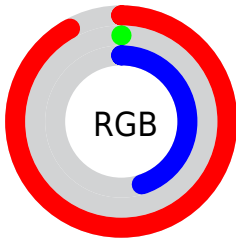
Format	Color
R_{YB}	235, 0, 116
Decimal	15401076
CIE _{Lab}	50.60, 79.38, 4.64
CIE _{LCh}	51, 79.516, 3.348
Yxy	18.9231, 0.5019, 0.2539
Android (android.graphics.Color)	4293591156 (0xFFEB0074)
YUV	83.4890, 16.0279, 132.8751
Hunter-Lab	43.5007, 77.3949, 5.6396

Details

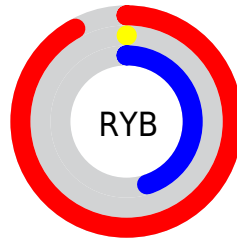
The XYZ color **37.4133, 18.9231, 18.2036** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.0419, 60.7500, 27.4541**, and the grayscale version is **8.2814, 8.7127, 9.4881**.

A 20% lighter version of the original color is **52.4001, 32.2716, 40.5130**, and **18.0566, 9.1880, 6.2906** is the 20% darker color. If you saturate the color by 10%, you get **37.4116, 18.9224, 18.1952**, and if you desaturate by 10%, it is **38.4682, 19.8531, 22.1931**.

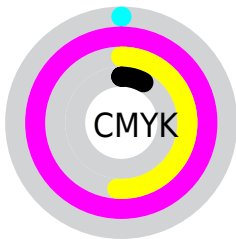
Distribution



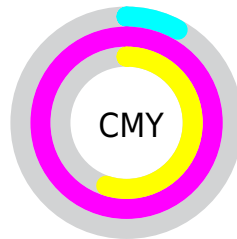
- Red (92%)
- Green (0%)
- Blue (45%)



- Red (92%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4133, 18.9231, 18.2036 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 37.4133, 18.9231, 18.2036 by changing the saturation by 10% instead.

 37.4133, 18.9231,
18.2036


 37.4133, 18.9231,
18.2036


326.4210,
246.0239, 254.2907


 25.7028, 11.6147,
10.9253


 70.5177, 41.6041,
41.2026

 16.7329, 6.4819,
5.9031


 92.6423, 57.7455,
57.7603


 10.1384, 3.1403,
2.7184


 118.9690, 77.6001,
78.2483

 5.5538, 1.2054,
0.9527

 149.8631,
101.5522, 103.0851

 2.6138, 0.0661,
0.0000

 185.6900,
129.9863, 132.6891

 0.9530, 0.0000,
0.0000

 226.8150,

 0.0000, 0.0000,

163.2866, 167.4791

0.0000

273.6036,
201.8377, 207.8734

■ 37.4133, 18.9231,
18.2036

■ 37.4133, 18.9231,
18.2036

■ 37.4116, 18.9224,
18.1952

■ 38.4682, 19.8531,
22.1931

■ 39.9988, 21.5872,
26.7944

■ 42.1294, 24.3695,
32.0640

■ 44.9341, 28.3435,
38.0406

■ 48.4753, 33.6296,
44.7587

■ 52.8080, 40.3336,
52.2496

■ 57.9816, 48.5502,
60.5424

■ 64.0413, 58.3660,
69.6643

■ 71.0290, 69.8609,
79.6409

Harmonies

Analogous

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



34.9244, 18.9231, 46.3872



37.4133, 18.9231, 18.2036



33.5832, 18.9231, 4.8940

Triad

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



37.4133, 18.9231, 18.2036



10.9570, 18.9231, 1.5431



12.0799, 18.9231, 87.4258

Complementary

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



37.4133, 18.9231, 18.2036



33.0419, 60.7500, 27.4541

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.



8.1666, 18.9231, 54.2307



37.4133, 18.9231, 18.2036



7.6617, 18.9231, 6.7499

Square

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



37.4133, 18.9231, 18.2036



17.1269, 18.9231, 0.5492



6.8106, 18.9231, 23.2067



18.8730, 18.9231, 99.6868

Rectangle

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



37.4133, 18.9231, 18.2036



28.4648, 18.9231, 1.8084



6.8106, 18.9231, 23.2067



10.4576, 18.9231, 77.5599

Sweetspot

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



37.4138, 18.9242, 18.2039



69.6875, 58.2711, 72.7118



22.4031, 9.8178, 79.3112



14.3258, 11.5295, 14.6342



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.



37.4138, 18.9242, 18.2039



44.9958, 22.7623, 21.7076



34.2617, 17.6634, 1.6051



15.3754, 15.1780, 17.2620



20.8856, 10.5569, 10.4650



1.6885, 0.8484, 1.0772

Inverse Universe

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



37.4138, 18.9242, 18.2039



44.9958, 22.7623, 21.7076



44.7042, 65.4149, 88.8671



15.3754, 15.1780, 17.2620



20.8856, 10.5569, 10.4650



1.6885, 0.8484, 1.0772

Previews

White Background



This preview shows how the XYZ color 37.4133, 18.9231, 18.2036 looks on a white background.

Color Contrast Check

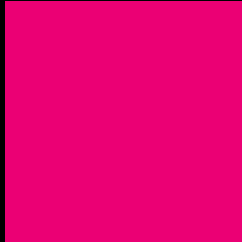
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4133, 18.9231, 18.2036 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 37.4133, 18.9231, 18.2036

Background



This preview shows how black text looks on a background with the XYZ color 37.4133, 18.9231, 18.2036.



This preview shows how white text looks on a background with the XYZ color 37.4133, 18.9231,

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

37.4133, 18.9231, 18.2036

Protanopia

20.0896, 19.6900, 39.7875

Deuteranopia

19.8952, 19.5729, 16.3650



Tritanopia

34.7488, 19.3071, 4.4799

Trichromacy



Original Color

37.4133, 18.9231, 18.2036



Protanomaly

21.4051, 14.3477, 30.0750



Deuteranomaly

23.0097, 15.2719, 16.4869



Tritanomaly

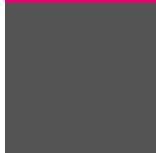
35.1810, 18.6573, 7.7082

Monochromacy



Original Color

37.4133, 18.9231, 18.2036



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.0319, 8.8797, 12.0407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4133, 18.9231, 18.2036 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 37.4133, 18.9231, 18.2036 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, 116) }
```


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

```
.border{ border-color:rgb(235, 0, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4133, 18.9231, 18.2036 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, 116) }
```

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

```
.background{ background-color: rgb(235, 0,  
116) }
```

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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