

Converting Colors

XYZ(36.6307, 18.5948, 14.7708)

Have a look what the booklet for
XYZ(36.6307, 18.5948, 14.7708)
contains.

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Color

**XYZ(36.7596, 18.6616,
14.7613)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0068
RGB	235, 0, 104
RGB Percent	92%, 0%, 41%
CMY	0.0784, 0.9998, 0.5922
CMYK	0.00, 1.00, 0.56, 0.08
HSL	333°, 100%, 46%
HSV	333°, 100%, 92%
XYZ	36.7596, 18.6616, 14.7613
YIQ	82.1210, 106.6760, 82.1640

Conversions

Conversions Part 2

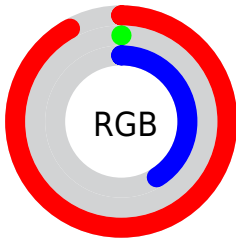
Format	Color
RYB	235, 0, 104
Decimal	15401064
CIELab	50.29, 78.56, 11.55
CIELCh	50, 79.406, 8.362
Yxy	18.6616, 0.5238, 0.2659
Android (android.graphics.Color)	4293591144 (0xFFEB0068)
YUV	82.1210, 10.7863, 134.0749
Hunter-Lab	43.1991, 76.2935, 9.9797

Details

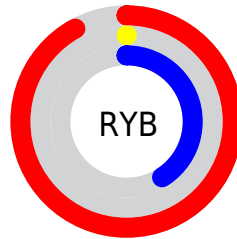
The XYZ color **36.7596, 18.6616, 14.7613** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **33.8092, 61.0569, 31.4950**, and the grayscale version is **8.0143, 8.4317, 9.1821**.

A 20% lighter version of the original color is **51.1591, 31.6320, 34.4195**, and **17.7770, 9.0761, 4.8179** is the 20% darker color. If you saturate the color by 10%, you get **36.7579, 18.6609, 14.7533**, and if you desaturate by 10%, it is **37.7953, 19.5839, 18.6495**.

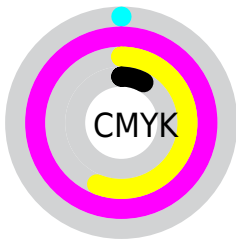
Distribution



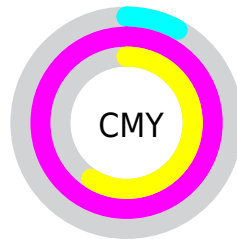
- Red (92%)
- Green (0%)
- Blue (41%)



- Red (92%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7596, 18.6616, 14.7613 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 36.7596, 18.6616, 14.7613 by changing the saturation by 10% instead.


 36.7596, 18.6616,
14.7613


 36.7596, 18.6616,
14.7613

323.6422,
244.5742, 233.5076


 25.1942, 11.4260,
8.5073


 69.5191, 41.1615,
35.1702


 16.3513, 6.3541,
4.3288


 91.4440, 57.1946,
50.1622


 9.8655, 3.0616,
1.8074


 117.5528, 76.9290,
68.9040

 5.3715, 1.1640,
0.4328

 148.2107,
100.7491, 91.8140

 2.5038, 0.0320,
0.0000

 183.7833,
129.0392, 119.3108

 0.8972, 0.0000,
0.0000

 224.6359,

 0.0000, 0.0000,

162.1839, 151.8130

0.0000

271.1337,
200.5674, 189.7391

■ 36.7596, 18.6616,
14.7613

■ 36.7596, 18.6616,
14.7613

■ 36.7579, 18.6609,
14.7533

■ 37.7953, 19.5839,
18.6495

■ 39.3226, 21.3167,
23.2337

■ 41.4671, 24.1046,
28.5766

■ 44.3040, 28.0914,
34.7228

■ 47.8967, 33.3981,
41.7121

■ 52.3011, 40.1307,
49.5810

■ 57.5676, 48.3845,
58.3631

■ 63.7423, 58.2462,
68.0904

■ 70.8679, 69.7963,
78.7927

Harmonies

Analogous

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



35.3400, 18.6616, 40.2783



36.7596, 18.6616, 14.7613



32.0428, 18.6616, 3.7393

Triad

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



36.7596, 18.6616, 14.7613



10.0513, 18.6616, 1.9169



12.8241, 18.6616, 90.5840

Complementary

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



36.7596, 18.6616, 14.7613



33.8092, 61.0569, 31.4950

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.



8.4852, 18.6616, 59.5674



36.7596, 18.6616, 14.7613



7.2365, 18.6616, 8.3618

Square

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



36.7596, 18.6616, 14.7613



15.6724, 18.6616, 0.5693



6.7606, 18.6616, 27.1221



19.9761, 18.6616, 97.6228

Rectangle

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



36.7596, 18.6616, 14.7613



26.6800, 18.6616, 1.3849



6.7606, 18.6616, 27.1221



11.0561, 18.6616, 81.9111

Sweetspot

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



36.7601, 18.6627, 14.7616



69.1874, 58.0711, 70.0785



24.0909, 10.6879, 79.3901



14.2080, 11.4824, 14.0138



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.



36.7601, 18.6627, 14.7616



44.2104, 22.4482, 17.5721



34.3902, 17.9204, 1.6480



15.3423, 15.1648, 17.0881



20.5195, 10.4105, 8.5370



1.6590, 0.8365, 0.9215

Inverse Universe

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



36.7601, 18.6627, 14.7616



44.2104, 22.4482, 17.5721



41.4511, 58.9087, 87.7827



15.3423, 15.1648, 17.0881



20.5195, 10.4105, 8.5370



1.6590, 0.8365, 0.9215

Previews

White Background



This preview shows how the XYZ color 36.7596, 18.6616, 14.7613 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 36.7596, 18.6616, 14.7613 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 36.7596, 18.6616, 14.7613

Background



This preview shows how black text looks on a background with the XYZ color 36.7596, 18.6616, 14.7613.



This preview shows how white text looks on a background with the XYZ color 36.7596, 18.6616,

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

36.7596, 18.6616, 14.7613

Protanopia

19.2418, 19.2447, 31.9786

Deuteranopia

19.4211, 19.0497, 13.2430



Tritanopia

34.4547, 18.8949, 3.8386

Trichromacy



Original Color

36.7596, 18.6616, 14.7613



Protanomaly

20.9881, 14.1592, 24.1811



Deuteranomaly

22.5579, 15.0095, 13.2635



Tritanomaly

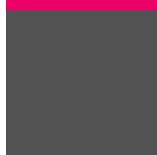
34.8709, 18.4213, 6.4204

Monochromacy



Original Color

36.7596, 18.6616, 14.7613



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.5547, 8.5974, 10.6179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7596, 18.6616, 14.7613 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 104) }
```

Border

The CSS property to change the border of an element to XYZ 36.7596, 18.6616, 14.7613 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, 104) }
```


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

```
.border{ border-color:rgb(235, 0, 104) }
```

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, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7596, 18.6616, 14.7613 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, 104) }
```

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

```
.background{ background-color: rgb(235, 0,  
104) }
```

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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