

Converting Colors

XYZ(36.5475, 18.5616, 14.3329)

Have a look what the booklet for
XYZ(36.5475, 18.5616, 14.3329)
contains.

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Color

**XYZ(36.6592, 18.6215,
14.2325)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0066
RGB	235, 0, 102
RGB Percent	92%, 0%, 40%
CMY	0.0784, 0.9998, 0.6000
CMYK	0.00, 1.00, 0.57, 0.08
HSL	334°, 100%, 46%
HSV	334°, 100%, 92%
XYZ	36.6592, 18.6215, 14.2325
YIQ	81.8930, 107.3180, 81.5420

Conversions

Conversions Part 2

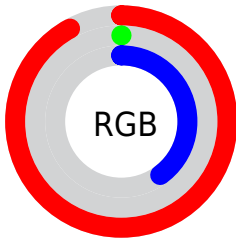
Format	Color
R_{YB}	235, 0, 102
Decimal	15401062
CIE _{Lab}	50.24, 78.43, 12.71
CIE _{LCh}	50, 79.458, 9.203
Yxy	18.6215, 0.5274, 0.2679
Android (android.graphics.Color)	4293591142 (0xFFEB0066)
YUV	81.8930, 9.9128, 134.2748
Hunter-Lab	43.1526, 76.1229, 10.6520

Details

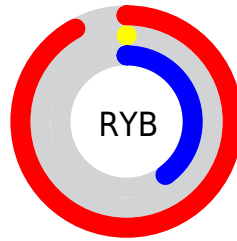
The XYZ color **36.6592, 18.6215, 14.2325** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **33.9465, 61.1117, 32.2176**, and the grayscale version is **7.9707, 8.3858, 9.1322**.

A 20% lighter version of the original color is **50.9925, 31.5653, 33.5421**, and **17.7271, 9.0562, 4.5551** is the 20% darker color. If you saturate the color by 10%, you get **36.6574, 18.6207, 14.2240**, and if you desaturate by 10%, it is **37.6904, 19.5421, 18.0968**.

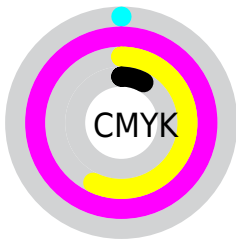
Distribution



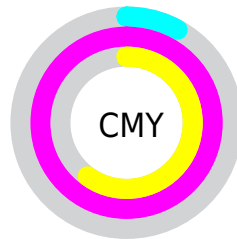
- Red (92%)
- Green (0%)
- Blue (40%)



- Red (92%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6592, 18.6215, 14.2325 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 36.6592, 18.6215, 14.2325 by changing the saturation by 10% instead.


 36.6592, 18.6215,
14.2325


 36.6592, 18.6215,
14.2325


323.2139,
244.3512, 230.1510

 25.1162, 11.3971,
8.1420


 69.3656, 41.0935,
34.2240

 16.2928, 6.3346,
4.0968


 91.2596, 57.1100,
48.9621


 9.8238, 3.0496,
1.6786


 117.3348, 76.8259,
67.4198

 5.3436, 1.1577,
0.3460

 147.9563,
100.6256, 90.0156

 2.4871, 0.0267,
0.0000

 183.4897,
128.8936, 117.1681

 0.8887, 0.0000,
0.0000

 224.3001,

 0.0000, 0.0000,

162.0143, 149.2958

0.0000

270.7531,
200.3720, 186.8172

■ 36.6592, 18.6215,
14.2325

■ 36.6592, 18.6215,
14.2325

■ 36.6574, 18.6207,
14.2240

■ 37.6904, 19.5421,
18.0968

■ 39.2159, 21.2743,
22.6715

■ 41.3617, 24.0628,
28.0203

■ 44.2029, 28.0515,
34.1889

■ 47.8033, 33.3614,
41.2183

■ 52.2190, 40.0988,
49.1458

■ 57.5004, 48.3587,
58.0060

■ 63.6939, 58.2281,
67.8317

■ 70.8423, 69.7875,
78.6535

Harmonies

Analogous

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



35.4182, 18.6215, 39.3181



36.6592, 18.6215, 14.2325



31.7963, 18.6215, 3.5656

Triad

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



36.6592, 18.6215, 14.2325



9.9059, 18.6215, 1.9849



12.9541, 18.6215, 91.1456

Complementary

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



36.6592, 18.6215, 14.2325



33.9465, 61.1117, 32.2176

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.



8.5406, 18.6215, 60.5108



36.6592, 18.6215, 14.2325



7.1676, 18.6215, 8.6562

Square

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



36.6592, 18.6215, 14.2325



15.4395, 18.6215, 0.5725



6.7530, 18.6215, 27.8251



20.1692, 18.6215, 97.3057

Rectangle

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



36.6592, 18.6215, 14.2325



26.3937, 18.6215, 1.3210



6.7530, 18.6215, 27.8251



11.1605, 18.6215, 82.6785

Sweetspot

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



36.6597, 18.6226, 14.2328



69.1051, 58.0382, 69.6452



24.0911, 10.6881, 79.3901



14.1886, 11.4747, 13.9120



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.



36.6597, 18.6226, 14.2328



44.0898, 22.3999, 16.9367



34.3902, 17.9204, 1.6481



15.3369, 15.1626, 17.0592



20.4630, 10.3879, 8.2397



1.6543, 0.8347, 0.8970

Inverse Universe

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



36.6597, 18.6226, 14.2328



44.0898, 22.3999, 16.9367



41.4512, 58.9088, 87.7826



15.3369, 15.1626, 17.0592



20.4630, 10.3879, 8.2397



1.6543, 0.8347, 0.8970

Previews

White Background



This preview shows how the XYZ color 36.6592, 18.6215, 14.2325 looks on a white background.

Color Contrast Check

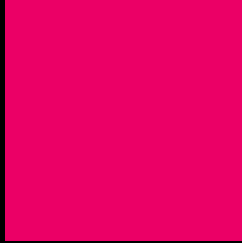
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6592, 18.6215, 14.2325 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 36.6592, 18.6215, 14.2325

Background



This preview shows how black text looks on a background with the XYZ color 36.6592, 18.6215, 14.2325.

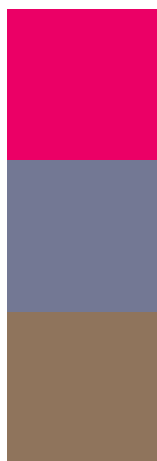


This preview shows how white text looks on a background with the XYZ color 36.6592, 18.6215,

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

36.6592, 18.6215, 14.2325

Protanopia

19.1320, 19.2159, 30.7176

Deuteranopia

19.5049, 19.1031, 12.7845



Tritanopia

34.7634, 19.0560, 3.7654

Trichromacy



Original Color

36.6592, 18.6215, 14.2325



Protanomaly

20.9793, 14.1785, 23.1037



Deuteranomaly

22.4646, 14.9722, 12.7722



Tritanomaly

35.1706, 18.5790, 6.2898

Monochromacy



Original Color

36.6592, 18.6215, 14.2325



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.5124, 8.5805, 10.3952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6592, 18.6215, 14.2325 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, 102)` looks like.

```
.text, #text, p{  
  color:rgb(235, 0, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 36.6592, 18.6215, 14.2325 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, 102) }
```


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

```
.border{ border-color:rgb(235, 0, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6592, 18.6215, 14.2325 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, 102) }
```

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

```
.background{ background-color: rgb(235, 0,  
102) }
```

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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