

Converting Colors

XYZ(35.9602, 18.3266, 11.2401)

Have a look what the booklet for
XYZ(35.9602, 18.3266, 11.2401)
contains.

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Color

**XYZ(36.1064, 18.4004,
11.3215)**

Conversions

Conversions Part 1

Format	Color
Hex	EB005A
RGB	235, 0, 90
RGB Percent	92%, 0%, 35%
CMY	0.0784, 0.9998, 0.6471
CMYK	0.00, 1.00, 0.62, 0.08
HSL	337°, 100%, 46%
HSV	337°, 100%, 92%
XYZ	36.1064, 18.4004, 11.3215
YIQ	80.5250, 111.1700, 77.8100

Conversions

Conversions Part 2

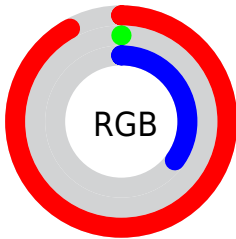
Format	Color
RYB	235, 0, 90
Decimal	15401050
CIELab	49.98, 77.73, 19.71
CIElCh	50, 80.190, 14.227
Yxy	18.4004, 0.5485, 0.2795
Android (android.graphics.Color)	4293591130 (0xFFEB005A)
YUV	80.5250, 4.6712, 135.4746
Hunter-Lab	42.8957, 75.1806, 14.3785

Details

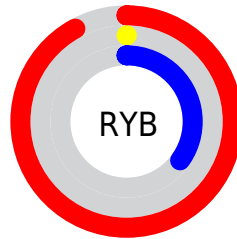
The XYZ color **36.1064, 18.4004, 11.3215** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **34.8243, 61.4628, 36.8400**, and the grayscale version is **7.7099, 8.1114, 8.8333**.

A 20% lighter version of the original color is **49.9763, 31.1589, 28.1912**, and **17.2682, 8.8474, 3.2802** is the 20% darker color. If you saturate the color by 10%, you get **36.1046, 18.3996, 11.3132**, and if you desaturate by 10%, it is **37.1027, 19.3071, 15.0024**.

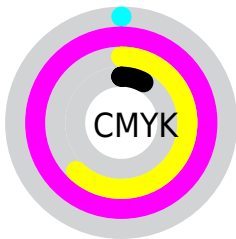
Distribution



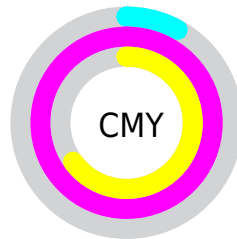
- Red (92%)
- Green (0%)
- Blue (35%)



- Red (92%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1064, 18.4004, 11.3215 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 36.1064, 18.4004, 11.3215 by changing the saturation by 10% instead.

 36.1064, 18.4004,
11.3215


 36.1064, 18.4004,
11.3215


320.8485,
243.1183, 210.6761


 24.6869, 11.2378,
6.1666


 68.5191, 40.7184,
28.8988

 15.9714, 6.2270,
2.8762


 90.2429, 56.6427,
42.1584


 9.5946, 2.9836,
1.0318


 116.1322, 76.2563,
58.9566

 5.1912, 1.1232,
0.0000

 146.5524, 99.9436,
79.7120

 2.3958, 0.0000,
0.0000

 181.8687,
128.0891, 104.8431

 0.8430, 0.0000,
0.0000

 222.4466,

 0.0000, 0.0000,

161.0771, 134.7684

0.0000

268.6514,
199.2920, 169.9066

■ 36.1064, 18.4004,
11.3215

■ 36.1064, 18.4004,
11.3215

■ 36.1046, 18.3996,
11.3132

■ 37.1027, 19.3071,
15.0024

■ 38.6098, 21.0320,
19.4798

■ 40.7551, 23.8203,
24.8257

■ 43.6152, 27.8167,
31.0935

■ 47.2552, 33.1425,
38.3310

■ 51.7324, 39.9046,
46.5822

■ 57.0985, 48.1984,
55.8878

■ 63.4007, 58.1115,
66.2861

■ 70.6831, 69.7246,
77.8134

Harmonies

Analogous

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



35.9392, 18.4004, 33.8996



36.1064, 18.4004, 11.3215



30.3767, 18.4004, 2.6312

Triad

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



36.1064, 18.4004, 11.3215



9.0663, 18.4004, 2.4279



13.7680, 18.4004, 94.7260

Complementary

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



36.1064, 18.4004, 11.3215



34.8243, 61.4628, 36.8400

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.



8.8855, 18.4004, 66.5015



36.1064, 18.4004, 11.3215



6.7656, 18.4004, 10.5838

Square

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



36.1064, 18.4004, 11.3215



14.0991, 18.4004, 0.5900



6.7110, 18.4004, 32.3566



21.3829, 18.4004, 95.5615

Rectangle

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



36.1064, 18.4004, 11.3215



24.7425, 18.4004, 0.9757



6.7110, 18.4004, 32.3566



11.8129, 18.4004, 87.5372

Sweetspot

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



36.1068, 18.4015, 11.3218



68.6189, 57.8437, 67.0849



26.6623, 12.0136, 79.5103



14.0746, 11.4291, 13.3117



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.



36.1068, 18.4015, 11.3218



43.4267, 22.1347, 13.4450



34.6638, 18.4677, 1.7394



15.3041, 15.1495, 16.8867



20.1516, 10.2633, 6.5998



1.6280, 0.8242, 0.7587

Inverse Universe

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



36.1068, 18.4015, 11.3218



43.4267, 22.1347, 13.4450



37.4520, 50.9104, 86.4495



15.3041, 15.1495, 16.8867



20.1516, 10.2633, 6.5998



1.6280, 0.8242, 0.7587

Previews

White Background



This preview shows how the XYZ color 36.1064, 18.4004, 11.3215 looks on a white background.

Color Contrast Check

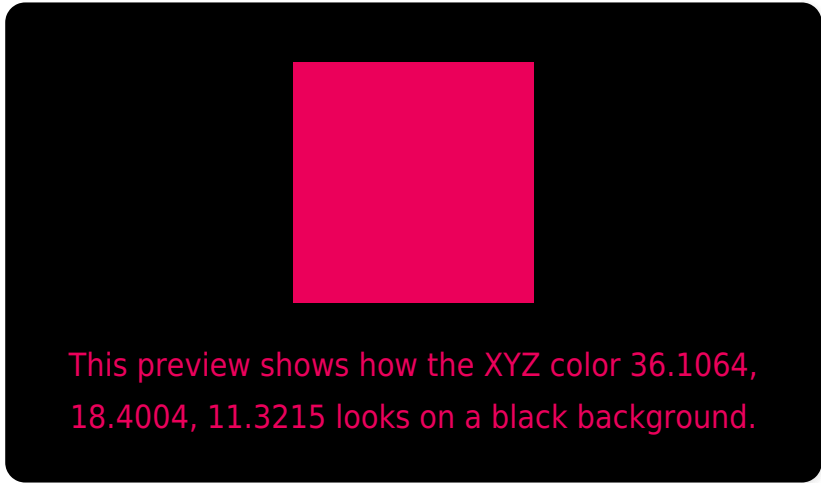
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 36.1064, 18.4004, 11.3215

Background



This preview shows how black text looks on a background with the XYZ color 36.1064, 18.4004, 11.3215.



This preview shows how white text looks on a background with the XYZ color 36.1064, 18.4004,

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

36.1064, 18.4004, 11.3215

Protanopia

18.6271, 19.0920, 24.5332

Deuteranopia

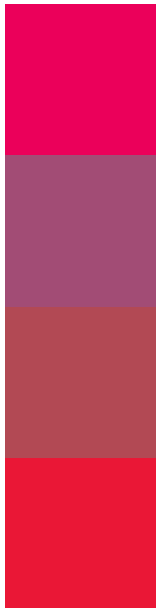
19.2558, 18.8604, 10.2149



Tritanopia

34.5239, 18.7009, 3.3034

Trichromacy



Original Color

36.1064, 18.4004, 11.3215

Protanomaly

20.6956, 14.1346, 18.4671

Deuteranomaly

22.3429, 14.8702, 10.0801

Tritanomaly

34.9039, 18.3716, 5.1965

Monochromacy



Original Color

36.1064, 18.4004, 11.3215

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 36.1064, 18.4004, 11.3215 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 36.1064, 18.4004, 11.3215 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, 90) }
```


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

```
.border{ border-color:rgb(235, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.1064, 18.4004, 11.3215 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, 90) }
```

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

```
.background{ background-color: rgb(235, 0,  
90) }
```

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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