

Converting Colors

XYZ(35.4604, 18.1267, 8.6080)

Have a look what the booklet for
XYZ(35.4604, 18.1267, 8.6080)
contains.

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Color

**XYZ(35.6005, 18.1980,
8.6574)**

Conversions

Conversions Part 1

Format	Color
Hex	EB004D
RGB	235, 0, 77
RGB Percent	92%, 0%, 30%
CMY	0.0784, 0.9998, 0.6980
CMYK	0.00, 1.00, 0.67, 0.08
HSL	340°, 100%, 46%
HSV	340°, 100%, 92%
XYZ	35.6005, 18.1980, 8.6574
YIQ	79.0430, 115.3430, 73.7670

Conversions

Conversions Part 2

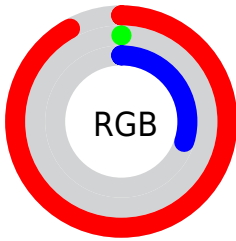
Format	Color
RYB	235, 0, 77
Decimal	15401037
CIELab	49.74, 77.08, 27.34
CIElCh	50, 81.782, 19.527
Yxy	18.1980, 0.5700, 0.2914
Android (android.graphics.Color)	4293591117 (0xFFEB004D)
YUV	79.0430, -1.0072, 136.7743
Hunter-Lab	42.6591, 74.3109, 17.8288

Details

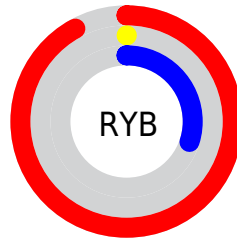
The XYZ color **35.6005, 18.1980, 8.6574** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.8853, 61.8872, 42.4276**, and the grayscale version is **7.4325, 7.8196, 8.5155**.

A 20% lighter version of the original color is **49.0086, 30.7718, 23.0952**, and **16.8663, 8.6615, 2.2963** is the 20% darker color. If you saturate the color by 10%, you get **35.5989, 18.1973, 8.6502**, and if you desaturate by 10%, it is **36.5454, 19.0841, 12.0679**.

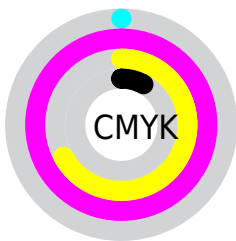
Distribution



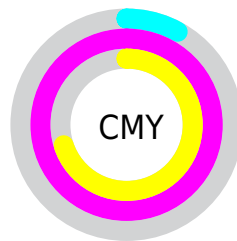
- Red (92%)
- Green (0%)
- Blue (30%)



- Red (92%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6005, 18.1980, 8.6574 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 35.6005, 18.1980, 8.6574 by changing the saturation by 10% instead.


 35.6005, 18.1980,
8.6574


 35.6005, 18.1980,
8.6574


318.6728,
241.9847, 190.9241


 24.2945, 11.0922,
4.4247


 67.7429, 40.3744,
23.8046


 15.6781, 6.1289,
1.8611


 89.3100, 56.2139,
35.5561

 9.3861, 2.9236,
0.4678


 115.0282, 75.7333,
50.6509

 5.0530, 1.0920,
0.0000

 145.2628, 99.3172,
69.5077

 2.3135, 0.0000,
0.0000

 180.3793,
127.3499, 92.5448

 0.8015, 0.0000,
0.0000

 220.7428,

 0.0000, 0.0000,

160.2158, 120.1809

0.0000

266.7189,
198.2992, 152.8345

■ 35.6005, 18.1980,
8.6574

■ 35.6005, 18.1980,
8.6574

■ 35.5989, 18.1973,
8.6502

■ 36.5454, 19.0841,
12.0679

■ 38.0188, 20.7954,
16.3677

■ 40.1501, 23.5782,
21.6405

■ 43.0181, 27.5776,
27.9501

■ 46.6896, 32.9160,
35.3537

■ 51.2235, 39.7006,
43.9040

■ 56.6731, 48.0278,
53.6497

■ 63.0872, 57.9855,
64.6367

■ 70.5109, 69.6550,
76.9083

Harmonies

Analogous

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



36.5998, 18.1980, 28.6789



35.6005, 18.1980, 8.6574



28.9533, 18.1980, 1.8187

Triad

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



35.6005, 18.1980, 8.6574



8.2219, 18.1980, 2.9772



14.7145, 18.1980, 99.0004

Complementary

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



35.6005, 18.1980, 8.6574



35.8853, 61.8872, 42.4276

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.



9.2827, 18.1980, 73.6319



35.6005, 18.1980, 8.6574



6.3536, 18.1980, 12.9956

Square

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



35.6005, 18.1980, 8.6574



12.7580, 18.1980, 0.6063



6.6727, 18.1980, 37.8875



22.8012, 18.1980, 93.9666

Rectangle

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



35.6005, 18.1980, 8.6574



23.0818, 18.1980, 0.6386



6.6727, 18.1980, 37.8875



12.5692, 18.1980, 93.2843

Sweetspot

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



35.6009, 18.1991, 8.6577



68.1056, 57.6384, 64.3821



28.8393, 13.1359, 79.6122



13.9548, 11.3812, 12.6808



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.



35.6009, 18.1991, 8.6577



42.8212, 21.8925, 10.2563



34.9936, 19.1274, 1.8493



15.2689, 15.1354, 16.7011



19.8648, 10.1486, 5.0895



1.6027, 0.8140, 0.6253

Inverse Universe

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



35.6009, 18.1991, 8.6577



42.8212, 21.8925, 10.2563



34.7004, 45.4073, 85.5323



15.2689, 15.1354, 16.7011



19.8648, 10.1486, 5.0895



1.6027, 0.8140, 0.6253

Previews

White Background



This preview shows how the XYZ color 35.6005, 18.1980, 8.6574 looks on a white background.

Color Contrast Check

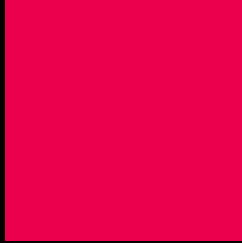
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.6005, 18.1980, 8.6574 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 35.6005, 18.1980, 8.6574

Background



This preview shows how black text looks on a background with the XYZ color 35.6005, 18.1980, 8.6574.



This preview shows how white text looks on a background with the XYZ color 35.6005, 18.1980,

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

35.6005, 18.1980, 8.6574

Protanopia

18.0659, 18.9329, 18.6218

Deuteranopia

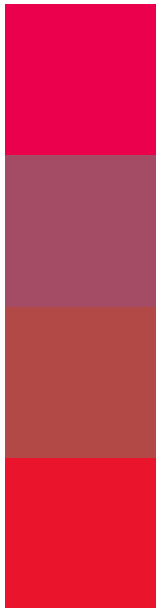
19.0333, 18.6310, 7.7472



Tritanopia

34.6195, 18.5515, 2.7931

Trichromacy



Original Color

35.6005, 18.1980, 8.6574

Protanomaly

20.2432, 14.0010, 13.9474

Deuteranomaly

22.0784, 14.7910, 7.4856

Tritanomaly

34.6555, 18.1822, 4.1656

Monochromacy



Original Color

35.6005, 18.1980, 8.6574

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.6691, 8.0655, 8.0968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6005, 18.1980, 8.6574 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, 77)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 77)  
}
```

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, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 35.6005, 18.1980, 8.6574 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, 77) }
```


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

```
.border{ border-color:rgb(235, 0, 77) }
```

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, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.6005, 18.1980, 8.6574 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, 77) }
```

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

```
.background{ background-color: rgb(235, 0,  
77) }
```

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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