

Converting Colors

XYZ(35.9638, 17.4083, 7.5034)

Have a look what the booklet for
XYZ(35.9638, 17.4083, 7.5034)
contains.

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Color

**XYZ(36.7339, 18.8057,
7.6550)**

Conversions

Conversions Part 1

Format	Color
Hex	EF0047
RGB	239, 0, 71
RGB Percent	94%, 0%, 28%
CMY	0.0627, 0.9997, 0.7216
CMYK	0.00, 1.00, 0.70, 0.06
HSL	342°, 100%, 47%
HSV	342°, 100%, 94%
XYZ	36.7339, 18.8057, 7.6550
YIQ	79.5550, 119.6530, 72.7490

Conversions

Conversions Part 2

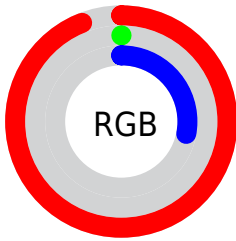
Format	Color
R_{YB}	239, 0, 71
Decimal	15663175
CIE _{Lab}	50.46, 77.74, 32.04
CIE _{LCh}	50, 84.087, 22.397
Yxy	18.8057, 0.5813, 0.2976
Android (android.graphics.Color)	4293853255 (0xFFEF0047)
YUV	79.5550, -4.2176, 139.8333
Hunter-Lab	43.3655, 75.3133, 19.8898

Details

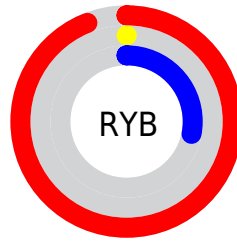
The XYZ color **36.7339, 18.8057, 7.6550** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **37.9408, 64.5624, 47.5385**, and the grayscale version is **7.5371, 7.9296, 8.6354**.

A 20% lighter version of the original color is **48.5725, 30.5973, 20.7986**, and **17.6773, 9.0874, 1.9847** is the 20% darker color. If you saturate the color by 10%, you get **36.7322, 18.8049, 7.6474**, and if you desaturate by 10%, it is **37.6755, 19.7037, 11.0076**.

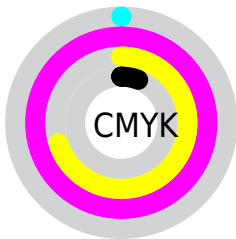
Distribution



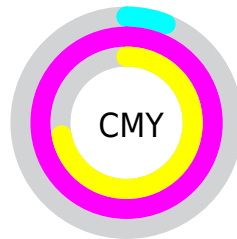
- Red (94%)
- Green (0%)
- Blue (28%)



- Red (94%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7339, 18.8057, 7.6550 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 36.7339, 18.8057, 7.6550 by changing the saturation by 10% instead.


 36.7339, 18.8057,
7.6550


 36.7339, 18.8057,
7.6550


323.5326,
245.3740, 182.8328


 25.1743, 11.5300,
3.7904


 69.4798, 41.4055,
21.8142

 16.3364, 6.4245,
1.5111


 91.3968, 57.4984,
32.9458


 9.8548, 3.1049,
0.2262


 117.4970, 77.2991,
47.3369

 5.3643, 1.1867,
0.0000

 148.1456,
101.1920, 65.4060

 2.4995, 0.0508,
0.0000

 183.7082,
129.5616, 87.5716

 0.8950, 0.0000,
0.0000

 224.5499,

 0.0000, 0.0000,

162.7922, 114.2522

0.0000

271.0363,
201.2682, 145.8664

■ 36.7339, 18.8057,
7.6550

■ 36.7339, 18.8057,
7.6550

■ 36.7322, 18.8049,
7.6474

■ 37.6755, 19.7037,
11.0076

■ 39.1774, 21.4652,
15.3378

■ 41.3750, 24.3454,
20.7408

■ 44.3518, 28.4963,
27.2902

■ 48.1786, 34.0460,
35.0523

■ 52.9182, 41.1068,
44.0877

■ 58.6269, 49.7794,
54.4527

■ 65.3566, 60.1559,
66.2000

■ 73.1552, 72.3213,
79.3795

Harmonies

Analogous

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



38.4558, 18.8057, 27.0380



36.7339, 18.8057, 7.6550



29.3016, 18.8057, 1.5020

Triad

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



36.7339, 18.8057, 7.6550



8.0791, 18.8057, 3.4482



15.8716, 18.8057, 105.5408

Complementary

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



36.7339, 18.8057, 7.6550



37.9408, 64.5624, 47.5385

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.



9.8874, 18.8057, 80.9785



36.7339, 18.8057, 7.6550



6.3716, 18.8057, 15.0725

Square

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



36.7339, 18.8057, 7.6550



12.5226, 18.8057, 0.6470



6.9137, 18.8057, 42.9029



24.5675, 18.8057, 96.8277

Rectangle

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



36.7339, 18.8057, 7.6550



23.0693, 18.8057, 0.4788



6.9137, 18.8057, 42.9029



13.5243, 18.8057, 100.5073

Sweetspot

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



36.7343, 18.8069, 7.6553



67.8276, 57.5272, 62.9180



31.5843, 14.4836, 82.7916



13.8902, 11.3553, 12.3404



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.



36.7343, 18.8069, 7.6553



42.5343, 21.7777, 8.7457



36.6475, 20.4524, 2.0180



15.9659, 15.8361, 17.3766



20.3493, 10.4122, 4.4901



1.7350, 0.8830, 0.5953

Inverse Universe

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



36.7343, 18.8069, 7.6553



42.5343, 21.7777, 8.7457



34.2577, 43.5865, 88.2681



15.9659, 15.8361, 17.3766



20.3493, 10.4122, 4.4901



1.7350, 0.8830, 0.5953

Previews

White Background



This preview shows how the XYZ color 36.7339, 18.8057, 7.6550 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 36.7339, 18.8057, 7.6550 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 36.7339, 18.8057, 7.6550

Background



This preview shows how black text looks on a background with the XYZ color 36.7339, 18.8057, 7.6550.



This preview shows how white text looks on a background with the XYZ color 36.7339, 18.8057,

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

36.7339, 18.8057, 7.6550

Protanopia

18.2893, 19.2839, 16.1228

Deuteranopia

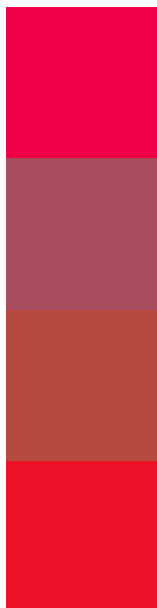
19.6125, 19.2906, 6.8274



Tritanopia

35.8539, 19.1177, 2.6110

Trichromacy



Original Color

36.7339, 18.8057, 7.6550

Protanomaly

20.7781, 14.4229, 12.0447

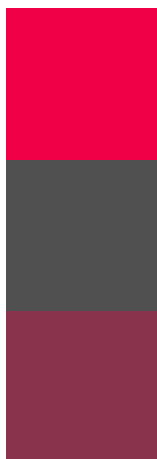
Deuteranomaly

22.6374, 15.2015, 6.4437

Tritanomaly

35.8592, 18.7630, 3.7391

Monochromacy



Original Color

36.7339, 18.8057, 7.6550

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.0046, 8.3067, 7.9391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7339, 18.8057, 7.6550 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(239, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 71)  
}
```

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(239, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 36.7339, 18.8057, 7.6550 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(239, 0, 71) }
```


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

```
.border{ border-color:rgb(239, 0, 71) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(239, 0, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.7339, 18.8057, 7.6550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 71) }
```

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

```
.background{ background-color: rgb(239, 0,  
71) }
```

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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