

Converting Colors

XYZ(35.8343, 15.7145, 11.5258)

Have a look what the booklet for
XYZ(35.8343, 15.7145, 11.5258)
contains.

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Color

**XYZ(37.5724, 19.1410,
12.0702)**

Conversions

Conversions Part 1

Format	Color
Hex	EF005D
RGB	239, 0, 93
RGB Percent	94%, 0%, 36%
CMY	0.0627, 0.9998, 0.6353
CMYK	0.00, 1.00, 0.61, 0.06
HSL	337°, 100%, 47%
HSV	337°, 100%, 94%
XYZ	37.5724, 19.1410, 12.0702
YIQ	82.0630, 112.5910, 79.5910

Conversions

Conversions Part 2

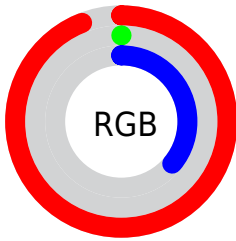
Format	Color
R_{YB}	239, 0, 93
Decimal	15663197
CIE _{Lab}	50.85, 78.80, 19.19
CIE _{LCh}	51, 81.103, 13.684
Yxy	19.1410, 0.5462, 0.2783
Android (android.graphics.Color)	4293853277 (0xFFEF005D)
YUV	82.0630, 5.3919, 137.6337
Hunter-Lab	43.7504, 76.7306, 14.2679

Details

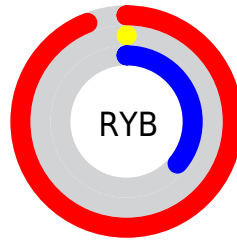
The XYZ color **37.5724, 19.1410, 12.0702** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **36.0597, 63.8102, 37.6328**, and the grayscale version is **8.0125, 8.4298, 9.1801**.

A 20% lighter version of the original color is **50.2901, 31.4276, 29.4021**, and **18.2127, 9.3274, 3.6367** is the 20% darker color. If you saturate the color by 10%, you get **37.5707, 19.1404, 12.0623**, and if you desaturate by 10%, it is **38.6079, 20.0764, 15.9173**.

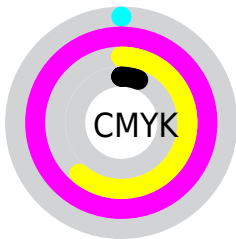
Distribution



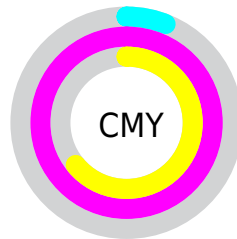
- Red (94%)
- Green (0%)
- Blue (36%)



- Red (94%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5724, 19.1410, 12.0702 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 37.5724, 19.1410, 12.0702 by changing the saturation by 10% instead.

 37.5724, 19.1410,
12.0702


 37.5724, 19.1410,
12.0702


327.0948,
247.2261, 215.8639


 25.8267, 11.7722,
6.6684


 70.7604, 41.9722,
30.2892


 16.8260, 6.5888,
3.1803


 92.9334, 58.2034,
43.9435


 10.2051, 3.2063,
1.1874


 119.3129, 78.1576,
61.1856

 5.5984, 1.2404,
0.0000

 150.2642,
102.2190, 82.4342

 2.6408, 0.0943,
0.0000

 186.1527,
130.7722, 108.1078

 0.9668, 0.0000,
0.0000

 227.3437,

 0.0000, 0.0000,

164.2015, 138.6249

0.0000

274.2026,
202.8913, 174.4041

■ 37.5724, 19.1410,
12.0702

■ 37.5724, 19.1410,
12.0702

■ 37.5707, 19.1404,
12.0623

■ 38.6079, 20.0764,
15.9173

■ 40.1732, 21.8631,
20.5823

■ 42.3998, 24.7546,
26.1390

■ 45.3676, 28.9016,
32.6420

■ 49.1441, 34.4308,
40.1402

■ 53.7891, 41.4533,
48.6784

■ 59.3561, 50.0689,
58.2984

■ 65.8944, 60.3684,
69.0392

■ 73.4496, 72.4361,
80.9378

Harmonies

Analogous

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



37.2769, 19.1410, 35.8057



37.5724, 19.1410, 12.0702



31.7165, 19.1410, 2.8303

Triad

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



37.5724, 19.1410, 12.0702



9.5119, 19.1410, 2.4692



14.2095, 19.1410, 97.9957

Complementary

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



37.5724, 19.1410, 12.0702



36.0597, 63.8102, 37.6328

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.



9.1916, 19.1410, 68.3868



37.5724, 19.1410, 12.0702



7.0738, 19.1410, 10.7637

Square

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



37.5724, 19.1410, 12.0702



14.7956, 19.1410, 0.6204



6.9769, 19.1410, 33.0771



22.0742, 19.1410, 99.4716

Rectangle

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



37.5724, 19.1410, 12.0702



25.8883, 19.1410, 1.0495



6.9769, 19.1410, 33.0771



12.1971, 19.1410, 90.3779

Sweetspot

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



37.5729, 19.1422, 12.0705



68.6769, 57.8669, 67.3901



26.9815, 12.1106, 82.5765



14.0882, 11.4345, 13.3831



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.



37.5729, 19.1422, 12.0705



43.5012, 22.1645, 13.8374



35.9224, 19.0020, 1.7760



16.0273, 15.8606, 17.7002



20.8222, 10.6013, 6.9804



1.7796, 0.9009, 0.8302

Inverse Universe

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



37.5729, 19.1422, 12.0705



43.5012, 22.1645, 13.8374



39.9079, 54.8868, 90.1519



16.0273, 15.8606, 17.7002



20.8222, 10.6013, 6.9804



1.7796, 0.9009, 0.8302

Previews

White Background



This preview shows how the XYZ color 37.5724, 19.1410, 12.0702 looks on a white background.

Color Contrast Check

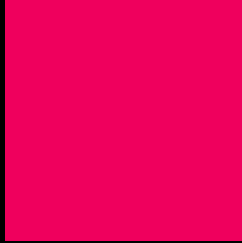
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5724, 19.1410, 12.0702 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 37.5724, 19.1410, 12.0702

Background



This preview shows how black text looks on a background with the XYZ color 37.5724, 19.1410, 12.0702.

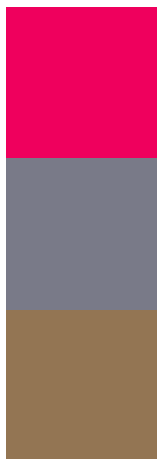


This preview shows how white text looks on a background with the XYZ color 37.5724, 19.1410,

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

37.5724, 19.1410, 12.0702

Protanopia

19.2886, 19.7616, 26.0903

Deuteranopia

19.9552, 19.5502, 10.9054



Tritanopia

35.8900, 19.4490, 3.4525

Trichromacy



Original Color

37.5724, 19.1410, 12.0702



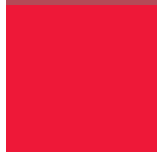
Protanomaly

21.4244, 14.6974, 19.4770



Deuteranomaly

22.9915, 15.2890, 10.7561



Tritanomaly

36.3003, 19.1159, 5.5179

Monochromacy



Original Color

37.5724, 19.1410, 12.0702



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.5552, 8.6168, 9.7529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5724, 19.1410, 12.0702 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 93) }
```

Border

The CSS property to change the border of an element to XYZ 37.5724, 19.1410, 12.0702 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, 93) }
```


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

```
.border{ border-color:rgb(239, 0, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.5724, 19.1410, 12.0702 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, 93) }
```

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

```
.background{ background-color: rgb(239, 0,  
93) }
```

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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