

Converting Colors

XYZ(37.1049, 18.8823, 12.8519)

Have a look what the booklet for
XYZ(37.1049, 18.8823, 12.8519)
contains.

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Color

**XYZ(37.0364, 18.8491,
12.7525)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0060
RGB	237, 0, 96
RGB Percent	93%, 0%, 38%
CMY	0.0706, 0.9998, 0.6235
CMYK	0.00, 1.00, 0.59, 0.07
HSL	336°, 100%, 46%
HSV	336°, 100%, 93%
XYZ	37.0364, 18.8491, 12.7525
YIQ	81.8070, 110.4360, 80.1000

Conversions

Conversions Part 2

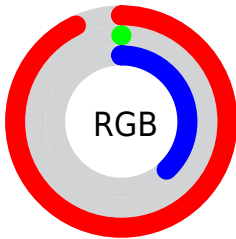
Format	Color
R_{YB}	237, 0, 96
Decimal	15532128
CIE _{Lab}	50.51, 78.52, 16.82
CIE _{LCh}	51, 80.302, 12.090
Yxy	18.8491, 0.5396, 0.2746
Android (android.graphics.Color)	4293722208 (0xFFED0060)
YUV	81.8070, 6.9971, 136.1043
Hunter-Lab	43.4156, 76.2954, 12.9756

Details

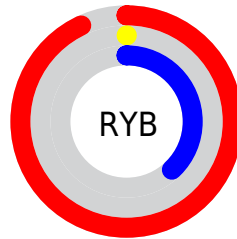
The XYZ color **37.0364, 18.8491, 12.7525** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **35.0969, 62.4933, 35.4348**, and the grayscale version is **7.9589, 8.3734, 9.1187**.

A 20% lighter version of the original color is **50.5205, 31.5197, 30.6153**, and **17.8311, 9.1233, 3.9531** is the 20% darker color. If you saturate the color by 10%, you get **37.0346, 18.8483, 12.7440**, and if you desaturate by 10%, it is **38.0667, 19.7759, 16.5922**.

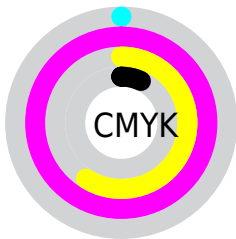
Distribution



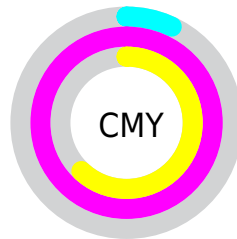
- Red (93%)
- Green (0%)
- Blue (38%)



- Red (93%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0364, 18.8491, 12.7525 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 37.0364, 18.8491, 12.7525 by changing the saturation by 10% instead.


 37.0364, 18.8491,
12.7525


 37.0364, 18.8491,
12.7525


324.8209,
245.6144, 220.4772


 25.4095, 11.5613,
7.1296


 69.9422, 41.4790,
31.5431


 16.5127, 6.4457,
3.4636


 91.9519, 57.5898,
45.5478


 9.9809, 3.1179,
1.3360


 118.1531, 77.4104,
63.1836

 5.4484, 1.1936,
0.0910

 148.9113,
101.3253, 84.8690

 2.5501, 0.0565,
0.0000

 184.5918,
129.7187, 111.0225

 0.9206, 0.0000,
0.0000

 225.5600,

 0.0000, 0.0000,

162.9751, 142.0627

0.0000

272.1813,
201.4789, 178.4080

■ 37.0364, 18.8491,
12.7525

■ 37.0364, 18.8491,
12.7525

■ 37.0346, 18.8483,
12.7440

■ 38.0667, 19.7759,
16.5922

■ 39.6111, 21.5349,
21.2064

■ 41.7982, 24.3752,
26.6647

■ 44.7059, 28.4441,
33.0179

■ 48.3999, 33.8656,
40.3115

■ 52.9381, 40.7483,
48.5875

■ 58.3729, 49.1897,
57.8845

■ 64.7519, 59.2787,
68.2391

■ 72.1196, 71.0977,
79.6857

Harmonies

Analogous

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



36.3982, 18.8491, 36.8424



37.0364, 18.8491, 12.7525



31.5706, 18.8491, 3.0660

Triad

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



37.0364, 18.8491, 12.7525



9.6004, 18.8491, 2.2746



13.6732, 18.8491, 94.9593

Complementary

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



37.0364, 18.8491, 12.7525



35.0969, 62.4933, 35.4348

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.



8.9049, 18.8491, 65.1123



37.0364, 18.8491, 12.7525



7.0692, 18.8491, 9.9149

Square

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



37.0364, 18.8491, 12.7525



14.9436, 18.8491, 0.5989



6.8585, 18.8491, 30.9436



21.2574, 18.8491, 98.1398

Rectangle

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



37.0364, 18.8491, 12.7525



25.9266, 18.8491, 1.1367



6.8585, 18.8491, 30.9436



11.7522, 18.8491, 87.0652

Sweetspot

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



37.0369, 18.8503, 12.7528



68.8277, 57.9272, 68.1845



25.8133, 11.5424, 80.9878



14.1235, 11.4486, 13.5692



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.



37.0369, 18.8503, 12.7528



43.7009, 22.2444, 14.8891



35.1719, 18.4980, 1.7184



15.3182, 15.1551, 16.9611



20.2807, 10.3150, 7.2794



1.6391, 0.8286, 0.8167

Inverse Universe

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



37.0369, 18.8503, 12.7528



43.7009, 22.2444, 14.8891



40.1652, 55.8718, 88.7878



15.3182, 15.1551, 16.9611



20.2807, 10.3150, 7.2794



1.6391, 0.8286, 0.8167

Previews

White Background



This preview shows how the XYZ color 37.0364, 18.8491, 12.7525 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 37.0364, 18.8491, 12.7525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

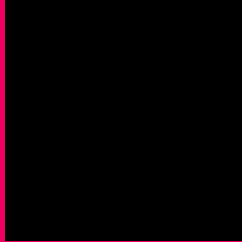
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0364, 18.8491, 12.7525

Background



This preview shows how black text looks on a background with the XYZ color 37.0364, 18.8491, 12.7525.

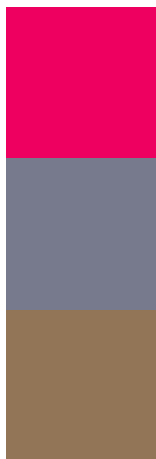


This preview shows how white text looks on a background with the XYZ color 37.0364, 18.8491,

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

37.0364, 18.8491, 12.7525

Protanopia

19.1787, 19.4901, 27.5621

Deuteranopia

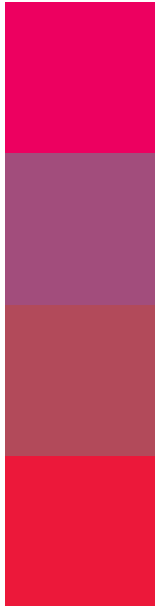
19.7181, 19.4142, 11.5122



Tritanopia

35.2725, 19.1758, 3.5113

Trichromacy



Original Color

37.0364, 18.8491, 12.7525

Protanomaly

21.1923, 14.4444, 20.7399

Deuteranomaly

22.6543, 15.1007, 11.3936

Tritanomaly

35.6824, 18.7916, 5.7495

Monochromacy



Original Color

37.0364, 18.8491, 12.7525

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.4295, 8.5474, 9.9588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0364, 18.8491, 12.7525 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(237, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 96)  
}
```

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(237, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 37.0364, 18.8491, 12.7525 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(237, 0, 96) }
```


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

```
.border{ border-color:rgb(237, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0364, 18.8491, 12.7525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 96) }
```

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

```
.background{ background-color: rgb(237, 0,  
96) }
```

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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