

Converting Colors

XYZ(37.0208, 18.8486, 12.4090)

Have a look what the booklet for
XYZ(37.0208, 18.8486, 12.4090)
contains.

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Color

**XYZ(36.9906, 18.8307,
12.5115)**

Conversions

Conversions Part 1

Format	Color
Hex	ED005F
RGB	237, 0, 95
RGB Percent	93%, 0%, 37%
CMY	0.0706, 0.9998, 0.6275
CMYK	0.00, 1.00, 0.60, 0.07
HSL	336°, 100%, 46%
HSV	336°, 100%, 93%
XYZ	36.9906, 18.8307, 12.5115
YIQ	81.6930, 110.7570, 79.7890

Conversions

Conversions Part 2

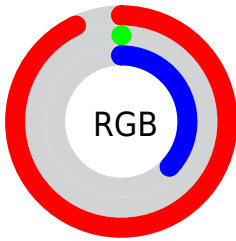
Format	Color
R_{YB}	237, 0, 95
Decimal	15532127
CIE _{Lab}	50.49, 78.46, 17.40
CIE _{LCh}	50, 80.370, 12.505
Yxy	18.8307, 0.5413, 0.2756
Android (android.graphics.Color)	4293722207 (0xFFED005F)
YUV	81.6930, 6.5604, 136.2042
Hunter-Lab	43.3944, 76.2184, 13.2815

Details

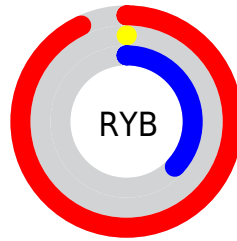
The XYZ color **36.9906, 18.8307, 12.5115** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **35.1713, 62.5231, 35.8270**, and the grayscale version is **7.9365, 8.3498, 9.0929**.

A 20% lighter version of the original color is **50.4430, 31.4888, 30.2074**, and **17.8093, 9.1145, 3.8382** is the 20% darker color. If you saturate the color by 10%, you get **36.9890, 18.8301, 12.5037**, and if you desaturate by 10%, it is **38.0178, 19.7562, 16.3350**.

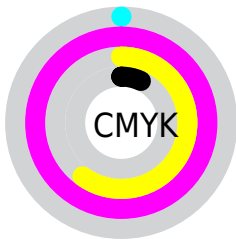
Distribution



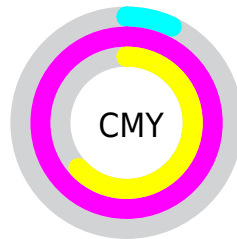
- Red (93%)
- Green (0%)
- Blue (37%)



- Red (93%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9906, 18.8307, 12.5115 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 36.9906, 18.8307, 12.5115 by changing the saturation by 10% instead.


 36.9906, 18.8307,
12.5115


 36.9906, 18.8307,
12.5115


324.6261,
245.5125, 218.8595


 25.3739, 11.5480,
6.9663


 69.8723, 41.4478,
31.1015

 16.4860, 6.4367,
3.3629


 91.8679, 57.5511,
44.9835


 9.9617, 3.1124,
1.2828


 118.0538, 77.3632,
62.4814

 5.4357, 1.1907,
0.0476

 148.7955,
101.2688, 84.0138

 2.5424, 0.0541,
0.0000

 184.4582,
129.6521, 109.9993

 0.9167, 0.0000,
0.0000

 225.4072,

 0.0000, 0.0000,

162.8976, 140.8564

0.0000

272.0081,
201.3896, 177.0036

■ 36.9906, 18.8307,
12.5115

■ 36.9906, 18.8307,
12.5115

■ 36.9890, 18.8301,
12.5037

■ 38.0178, 19.7562,
16.3350

■ 39.5603, 21.5143,
20.9402

■ 41.7472, 24.3543,
26.3974

■ 44.6562, 28.4236,
32.7582

■ 48.3533, 33.8461,
40.0687

■ 52.8964, 40.7305,
48.3712

■ 58.3380, 49.1744,
57.7050

■ 64.7259, 59.2668,
68.1073

■ 72.1046, 71.0899,
79.6127

Harmonies

Analogous

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



36.4429, 18.8307, 36.3915



36.9906, 18.8307, 12.5115



31.4520, 18.8307, 2.9890

Triad

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



36.9906, 18.8307, 12.5115



9.5301, 18.8307, 2.3124



13.7423, 18.8307, 95.2646

Complementary

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



36.9906, 18.8307, 12.5115



35.1713, 62.5231, 35.8270

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.



8.9341, 18.8307, 65.6224



36.9906, 18.8307, 12.5115



7.0354, 18.8307, 10.0799

Square

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



36.9906, 18.8307, 12.5115



14.8315, 18.8307, 0.6003



6.8549, 18.8307, 31.3304



21.3605, 18.8307, 97.9957

Rectangle

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



36.9906, 18.8307, 12.5115



25.7885, 18.8307, 1.1082



6.8549, 18.8307, 31.3304



11.8075, 18.8307, 87.4788

Sweetspot

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



36.9911, 18.8319, 12.5118



68.7878, 57.9112, 67.9741



25.8130, 11.5421, 80.9878



14.1142, 11.4449, 13.5199



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.



36.9911, 18.8319, 12.5118



43.6472, 22.2229, 14.6063



35.1718, 18.4979, 1.7183



15.3155, 15.1541, 16.9469



20.2554, 10.3049, 7.1465



1.6369, 0.8277, 0.8054

Inverse Universe

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



36.9911, 18.8319, 12.5118



43.6472, 22.2229, 14.6063



40.1651, 55.8716, 88.7878



15.3155, 15.1541, 16.9469



20.2554, 10.3049, 7.1465



1.6369, 0.8277, 0.8054

Previews

White Background



This preview shows how the XYZ color 36.9906, 18.8307, 12.5115 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 36.9906, 18.8307, 12.5115 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 36.9906, 18.8307, 12.5115

Background



This preview shows how black text looks on a background with the XYZ color 36.9906, 18.8307, 12.5115.

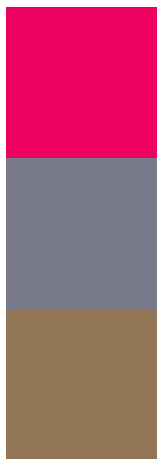


This preview shows how white text looks on a background with the XYZ color 36.9906, 18.8307,

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

36.9906, 18.8307, 12.5115

Protanopia

19.1053, 19.4608, 27.1754

Deuteranopia

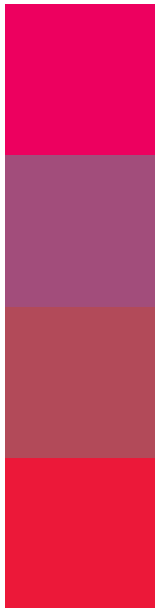
19.6780, 19.3982, 11.3014



Tritanopia

35.2725, 19.1758, 3.5113

Trichromacy



Original Color

36.9906, 18.8307, 12.5115

Protanomaly

21.1293, 14.4192, 20.4084

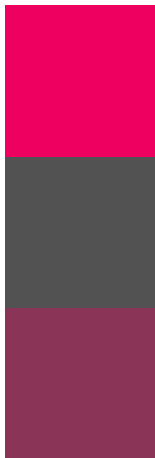
Deuteranomaly

22.6120, 15.0838, 11.1709

Tritanomaly

35.6572, 18.7815, 5.6167

Monochromacy



Original Color

36.9906, 18.8307, 12.5115

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 36.9906, 18.8307, 12.5115 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 36.9906, 18.8307, 12.5115 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, 95) }
```


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

```
.border{ border-color:rgb(237, 0, 95) }
```

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, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.9906, 18.8307, 12.5115 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, 95) }
```

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

```
.background{ background-color: rgb(237, 0,  
95) }
```

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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