

Converting Colors

XYZ(36.1456, 18.4008, 12.2163)

Have a look what the booklet for
XYZ(36.1456, 18.4008, 12.2163)
contains.

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Color

**XYZ(36.2813, 18.4703,
12.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	EB005E
RGB	235, 0, 94
RGB Percent	92%, 0%, 37%
CMY	0.0784, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.60, 0.08
HSL	336°, 100%, 46%
HSV	336°, 100%, 92%
XYZ	36.2813, 18.4703, 12.2426
YIQ	80.9810, 109.8860, 79.0540

Conversions

Conversions Part 2

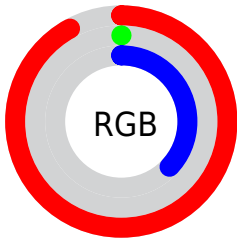
Format	Color
R_{YB}	235, 0, 94
Decimal	15401054
CIE _{Lab}	50.06, 77.95, 17.37
CIE _{LCh}	50, 79.866, 12.560
Yxy	18.4703, 0.5416, 0.2757
Android (android.graphics.Color)	4293591134 (0xFFEB005E)
YUV	80.9810, 6.4184, 135.0747
Hunter-Lab	42.9771, 75.4800, 13.1944

Details

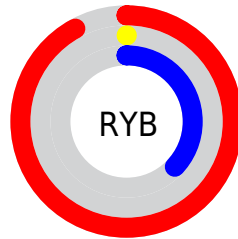
The XYZ color **36.2813, 18.4703, 12.2426** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **34.5207, 61.3414, 35.2414**, and the grayscale version is **7.7959, 8.2019, 8.9319**.

A 20% lighter version of the original color is **50.2767, 31.2790, 29.7731**, and **17.3490, 8.8797, 3.7053** is the 20% darker color. If you saturate the color by 10%, you get **36.2796, 18.4696, 12.2347**, and if you desaturate by 10%, it is **37.2906, 19.3821, 15.9920**.

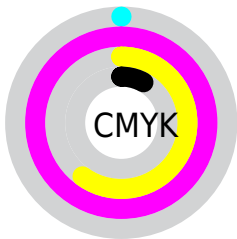
Distribution



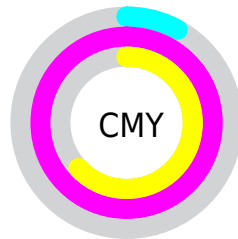
- Red (92%)
- Green (0%)
- Blue (37%)



- Red (92%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (8%)



- Cyan (8%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2813, 18.4703, 12.2426 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 36.2813, 18.4703, 12.2426 by changing the saturation by 10% instead.


 36.2813, 18.4703,
12.2426


 36.2813, 18.4703,
12.2426


321.5982,
243.5087, 217.0394


 24.8226, 11.2882,
6.7846


 68.7871, 40.8371,
30.6072

 16.0730, 6.2610,
3.2513


 90.5649, 56.7905,
44.3508


 9.6670, 3.0044,
1.2244


 116.5131, 76.4365,
61.6934

 5.2393, 1.1340,
0.0000

 146.9971,
100.1595, 83.0534

 2.4245, 0.0068,
0.0000

 182.3823,
128.3438, 108.8495

 0.8574, 0.0000,
0.0000

 223.0340,

 0.0000, 0.0000,

161.3738, 139.5002

0.0000

269.3175,
199.6340, 175.4240

■ 36.2813, 18.4703,
12.2426

■ 36.2813, 18.4703,
12.2426

■ 36.2796, 18.4696,
12.2347

■ 37.2906, 19.3821,
15.9920

■ 38.8052, 21.1099,
20.5090

■ 40.9519, 23.8987,
25.8628

■ 43.8068, 27.8928,
32.1040

■ 47.4346, 33.2136,
39.2779

■ 51.8921, 39.9676,
47.4261

■ 57.2307, 48.2502,
56.5872

■ 63.4971, 58.1488,
66.7975

■ 70.7351, 69.7439,
78.0914

Harmonies

Analogous

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



35.7557, 18.4703, 35.6413



36.2813, 18.4703, 12.2426



30.8386, 18.4703, 2.9223

Triad

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



36.2813, 18.4703, 12.2426



9.3398, 18.4703, 2.2734



13.4900, 18.4703, 93.4927

Complementary

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



36.2813, 18.4703, 12.2426



34.5207, 61.3414, 35.2414

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.



8.7680, 18.4703, 64.4410



36.2813, 18.4703, 12.2426



6.8973, 18.4703, 9.9098

Square

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



36.2813, 18.4703, 12.2426



14.5351, 18.4703, 0.5844



6.7242, 18.4703, 30.7852



20.9678, 18.4703, 96.1135

Rectangle

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



36.2813, 18.4703, 12.2426



25.2803, 18.4703, 1.0835



6.7242, 18.4703, 30.7852



11.5903, 18.4703, 85.8691

Sweetspot

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



36.2817, 18.4714, 12.2429



68.7797, 57.9080, 67.9318



25.9842, 11.6640, 79.4786



14.1123, 11.4441, 13.5100



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.



36.2817, 18.4714, 12.2429



43.6365, 22.2186, 14.5498



34.5785, 18.2971, 1.7108



15.3150, 15.1539, 16.9441



20.2504, 10.3028, 7.1199



1.6365, 0.8276, 0.8032

Inverse Universe

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



36.2817, 18.4714, 12.2429



43.6365, 22.2186, 14.5498



38.4159, 52.8384, 86.7709



15.3150, 15.1539, 16.9441



20.2504, 10.3028, 7.1199



1.6365, 0.8276, 0.8032

Previews

White Background



This preview shows how the XYZ color 36.2813, 18.4703, 12.2426 looks on a white background.

Color Contrast Check

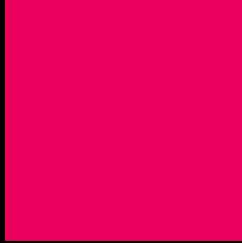
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2813, 18.4703, 12.2426 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 36.2813, 18.4703, 12.2426

Background



This preview shows how black text looks on a background with the XYZ color 36.2813, 18.4703, 12.2426.

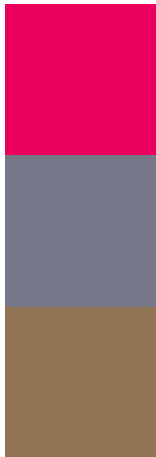


This preview shows how white text looks on a background with the XYZ color 36.2813, 18.4703,

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

36.2813, 18.4703, 12.2426

Protanopia

18.7030, 19.0906, 26.3660

Deuteranopia

19.3472, 19.0602, 11.0468



Tritanopia

34.6158, 18.8372, 3.4806

Trichromacy



Original Color

36.2813, 18.4703, 12.2426



Protanomaly

20.7336, 14.1264, 19.7231



Deuteranomaly

22.3417, 14.9493, 10.9405



Tritanomaly

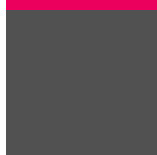
34.9968, 18.4411, 5.5858

Monochromacy



Original Color

36.2813, 18.4703, 12.2426



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.2242, 8.4462, 9.7374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2813, 18.4703, 12.2426 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.2813, 18.4703, 12.2426 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, 94) }
```


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

```
.border{ border-color:rgb(235, 0, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.2813, 18.4703, 12.2426 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, 94) }
```

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

```
.background{ background-color: rgb(235, 0,  
94) }
```

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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