

Converting Colors

XYZ(36.5014, 18.6408, 9.6736)

Have a look what the booklet for
XYZ(36.5014, 18.6408, 9.6736)
contains.

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Color

**XYZ(36.4480, 18.6137,
9.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0052
RGB	237, 0, 82
RGB Percent	93%, 0%, 32%
CMY	0.0706, 0.9998, 0.6784
CMYK	0.00, 1.00, 0.65, 0.07
HSL	339°, 100%, 46%
HSV	339°, 100%, 93%
XYZ	36.4480, 18.6137, 9.6544
YIQ	80.2110, 114.9300, 75.7460

Conversions

Conversions Part 2

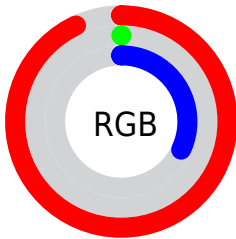
Format	Color
RYB	237, 0, 82
Decimal	15532114
CIELab	50.23, 77.77, 25.01
CIELCh	50, 81.697, 17.826
Yxy	18.6137, 0.5632, 0.2876
Android (android.graphics.Color)	4293722194 (0xFFED0052)
YUV	80.2110, 0.8820, 137.5040
Hunter-Lab	43.1436, 75.2967, 16.9330

Details

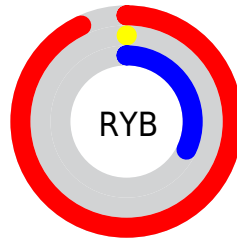
The XYZ color **36.4480, 18.6137, 9.6544** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **36.2059, 62.9368, 41.2754**, and the grayscale version is **7.6549, 8.0536, 8.7704**.

A 20% lighter version of the original color is **49.3394, 30.9041, 24.8373**, and **17.5834, 9.0242, 2.6488** is the 20% darker color. If you saturate the color by 10%, you get **36.4464, 18.6130, 9.6468**, and if you desaturate by 10%, it is **37.4277, 19.5202, 13.2280**.

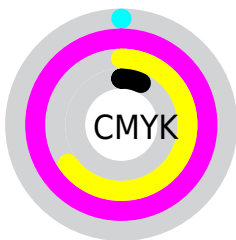
Distribution



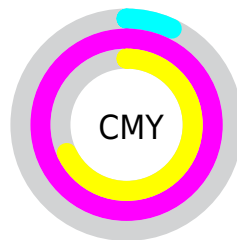
- Red (93%)
- Green (0%)
- Blue (32%)



- Red (93%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4480, 18.6137, 9.6544 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 36.4480, 18.6137, 9.6544 by changing the saturation by 10% instead.


 36.4480, 18.6137,
9.6544


 36.4480, 18.6137,
9.6544


322.3116,
244.3078, 198.5817


 24.9521, 11.3915,
5.0678


 69.0423, 41.0803,
25.7410


 16.1699, 6.3308,
2.2277


 90.8715, 57.0935,
38.0781


 9.7361, 3.0473,
0.6903


 116.8758, 76.8058,
53.8357

 5.2852, 1.1565,
0.0000

 147.4206,
100.6016, 73.4325

 2.4520, 0.0257,
0.0000

 182.8712,
128.8653, 97.2870

 0.8711, 0.0000,
0.0000

 223.5930,

 0.0000, 0.0000,

161.9813, 125.8176

0.0000

269.9514,
200.3340, 159.4430

■ 36.4480, 18.6137,
9.6544

■ 36.4480, 18.6137,
9.6544

■ 36.4464, 18.6130,
9.6468

■ 37.4277, 19.5202,
13.2280

■ 38.9408, 21.2667,
17.6775

■ 41.1181, 24.1030,
23.0842

■ 44.0394, 28.1773,
29.5092

■ 47.7723, 33.6143,
37.0078

■ 52.3763, 40.5232,
45.6303

■ 57.9052, 49.0022,
55.4237

■ 64.4084, 59.1409,
66.4322

■ 71.9315, 71.0220,
78.6974

Harmonies

Analogous

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



37.0792, 18.6137, 30.8937



36.4480, 18.6137, 9.6544



29.9738, 18.6137, 2.1014

Triad

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



36.4480, 18.6137, 9.6544



8.6539, 18.6137, 2.8444



14.6782, 18.6137, 99.4560

Complementary

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



36.4480, 18.6137, 9.6544



36.2059, 62.9368, 41.2754

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.



9.3282, 18.6137, 72.6181



36.4480, 18.6137, 9.6544



6.6107, 18.6137, 12.4085

Square

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



36.4480, 18.6137, 9.6544



13.4375, 18.6137, 0.6175



6.8139, 18.6137, 36.7128



22.7606, 18.6137, 96.2844

Rectangle

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



36.4480, 18.6137, 9.6544



24.0656, 18.6137, 0.7657



6.8139, 18.6137, 36.7128



12.5562, 18.6137, 93.1298

Sweetspot

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



36.4484, 18.6149, 9.6547



68.2742, 57.7058, 65.2698



28.6263, 12.9925, 81.1192



13.9941, 11.3969, 12.8877



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.



36.4484, 18.6149, 9.6547



43.0092, 21.9677, 11.2466



35.5439, 19.2422, 1.8424



15.2805, 15.1401, 16.7624



19.9542, 10.1844, 5.5602



1.6108, 0.8173, 0.6676

Inverse Universe

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



36.4484, 18.6149, 9.6547



43.0092, 21.9677, 11.2466



36.2803, 48.1020, 87.4926



15.2805, 15.1401, 16.7624



19.9542, 10.1844, 5.5602



1.6108, 0.8173, 0.6676

Previews

White Background



This preview shows how the XYZ color 36.4480, 18.6137, 9.6544 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 36.4480, 18.6137, 9.6544 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 36.4480, 18.6137, 9.6544

Background



This preview shows how black text looks on a background with the XYZ color 36.4480, 18.6137, 9.6544.



This preview shows how white text looks on a background with the XYZ color 36.4480, 18.6137,

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

36.4480, 18.6137, 9.6544

Protanopia

18.4569, 19.2662, 20.8351

Deuteranopia

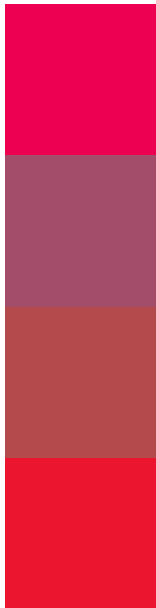
19.4153, 19.1488, 8.6340



Tritanopia

35.0266, 18.8386, 2.9525

Trichromacy



Original Color

36.4480, 18.6137, 9.6544

Protanomaly

20.6176, 14.2618, 15.5761

Deuteranomaly

22.5412, 15.1089, 8.3849

Tritanomaly

35.3937, 18.5826, 4.5176

Monochromacy



Original Color

36.4480, 18.6137, 9.6544

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.9856, 8.2801, 8.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4480, 18.6137, 9.6544 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, 82)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 36.4480, 18.6137, 9.6544 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, 82) }
```


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

```
.border{ border-color:rgb(237, 0, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4480, 18.6137, 9.6544 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, 82) }
```

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

```
.background{ background-color: rgb(237, 0,  
82) }
```

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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