

Converting Colors

XYZ(37.1849, 18.8850, 9.6742)

Have a look what the booklet for
XYZ(37.1849, 18.8850, 9.6742)
contains.

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Color

**XYZ(37.1196, 18.9599,
9.6859)**

Conversions

Conversions Part 1

Format	Color
Hex	EF0052
RGB	239, 0, 82
RGB Percent	94%, 0%, 32%
CMY	0.0627, 0.9998, 0.6784
CMYK	0.00, 1.00, 0.66, 0.06
HSL	339°, 100%, 47%
HSV	339°, 100%, 94%
XYZ	37.1196, 18.9599, 9.6859
YIQ	80.8090, 116.1220, 76.1700

Conversions

Conversions Part 2

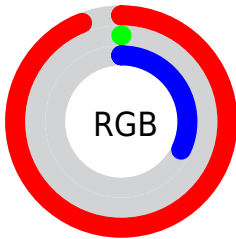
Format	Color
RYB	239, 0, 82
Decimal	15663186
CIELab	50.64, 78.23, 25.62
CIELCh	51, 82.320, 18.130
Yxy	18.9599, 0.5644, 0.2883
Android (android.graphics.Color)	4293853266 (0xFFEF0052)
YUV	80.8090, 0.5872, 138.7335
Hunter-Lab	43.5430, 75.9679, 17.2913

Details

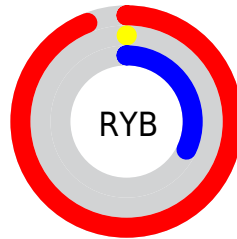
The XYZ color **37.1196, 18.9599, 9.6859** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **36.9577, 64.1693, 42.3618**, and the grayscale version is **7.7725, 8.1773, 8.9051**.

A 20% lighter version of the original color is **49.4289, 31.0831, 24.8672**, and **17.8054, 9.1386, 2.6592** is the 20% darker color. If you saturate the color by 10%, you get **37.1180, 18.9592, 9.6783**, and if you desaturate by 10%, it is **38.1128, 19.8784, 13.3103**.

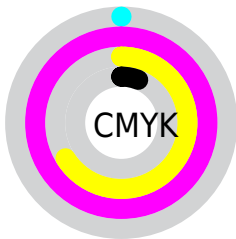
Distribution



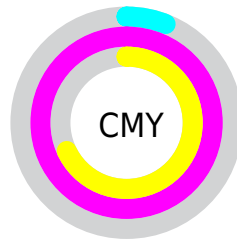
- Red (94%)
- Green (0%)
- Blue (32%)



- Red (94%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1196, 18.9599, 9.6859 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 37.1196, 18.9599, 9.6859 by changing the saturation by 10% instead.


 37.1196, 18.9599,
9.6859


 37.1196, 18.9599,
9.6859


325.1746,
246.2273, 198.8180


 25.4742, 11.6413,
5.0883


 70.0693, 41.6663,
25.8015


 16.5613, 6.4999,
2.2395


 92.1044, 57.8230,
38.1567

 10.0156, 3.1514,
0.6970


 118.3333, 77.6944,
53.9347

 5.4716, 1.2113,
0.0000

 149.1216,
101.6650, 73.5543

 2.5641, 0.0709,
0.0000

 184.8345,
130.1192, 97.4338

 0.9277, 0.0000,
0.0000

 225.8374,

 0.0000, 0.0000,

163.4414, 125.9920

0.0000

272.4956,
202.0160, 159.6472

■ 37.1196, 18.9599,
9.6859

■ 37.1196, 18.9599,
9.6859

■ 37.1180, 18.9592,
9.6783

■ 38.1128, 19.8784,
13.3103

■ 39.6512, 21.6544,
17.8333

■ 41.8680, 24.5421,
23.3382

■ 44.8447, 28.6927,
29.8882

■ 48.6505, 34.2337,
37.5399

■ 53.3463, 41.2767,
46.3455

■ 58.9870, 49.9218,
56.3534

■ 65.6232, 60.2606,
67.6090

■ 73.3013, 72.3775,
80.1552

Harmonies

Analogous

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



37.8332, 18.9599, 31.1819



37.1196, 18.9599, 9.6859



30.4660, 18.9599, 2.0954

Triad

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



37.1196, 18.9599, 9.6859



8.7703, 18.9599, 2.9330



15.0182, 18.9599, 101.6305

Complementary

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



37.1196, 18.9599, 9.6859



36.9577, 64.1693, 42.3618

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.



9.5317, 18.9599, 74.4515



37.1196, 18.9599, 9.6859



6.7133, 18.9599, 12.7963

Square

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



37.1196, 18.9599, 9.6859



13.6167, 18.9599, 0.6347



6.9427, 18.9599, 37.7593



23.2849, 18.9599, 98.0437

Rectangle

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



37.1196, 18.9599, 9.6859



24.4301, 18.9599, 0.7631



6.9427, 18.9599, 37.7593



12.8437, 18.9599, 95.2724

Sweetspot

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



37.1200, 18.9611, 9.6862



68.2475, 57.6951, 65.1292



29.1692, 13.2384, 82.6788



13.9879, 11.3944, 12.8549



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.



37.1200, 18.9611, 9.6862



42.9787, 21.9555, 11.0860



36.2246, 19.6064, 1.8768



15.9965, 15.8483, 17.5379



20.5677, 10.4995, 5.6399



1.7561, 0.8915, 0.7064

Inverse Universe

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



37.1200, 18.9611, 9.6862



42.9787, 21.9555, 11.0860



36.9739, 49.0190, 89.1738



15.9965, 15.8483, 17.5379



20.5677, 10.4995, 5.6399



1.7561, 0.8915, 0.7064

Previews

White Background



This preview shows how the XYZ color 37.1196, 18.9599, 9.6859 looks on a white background.

Color Contrast Check

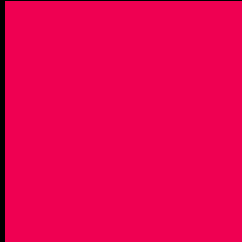
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1196, 18.9599, 9.6859 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 37.1196, 18.9599, 9.6859

Background



This preview shows how black text looks on a background with the XYZ color 37.1196, 18.9599, 9.6859.



This preview shows how white text looks on a background with the XYZ color 37.1196, 18.9599,

9.6859.

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

37.1196, 18.9599, 9.6859

Protanopia

18.8682, 19.6595, 20.8894

Deuteranopia

19.8930, 19.5671, 8.6896



Tritanopia

36.0255, 19.3536, 2.9993

Trichromacy



Original Color

37.1196, 18.9599, 9.6859

Protanomaly

21.1041, 14.6173, 15.6190

Deuteranomaly

23.0102, 15.3506, 8.4068

Tritanomaly

36.0616, 18.9269, 4.5489

Monochromacy



Original Color

37.1196, 18.9599, 9.6859

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

13.1944, 8.4533, 8.7208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1196, 18.9599, 9.6859 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 37.1196, 18.9599, 9.6859 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, 82) }
```


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

```
.border{ border-color:rgb(239, 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(239, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.1196, 18.9599, 9.6859 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, 82) }
```

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

```
.background{ background-color: rgb(239, 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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