

Converting Colors

XYZ(36.8144, 18.8652, 6.8428)

Have a look what the booklet for
XYZ(36.8144, 18.8652, 6.8428)
contains.

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Color

**XYZ(36.9185, 18.9186,
6.8601)**

Conversions

Conversions Part 1

Format	Color
Hex	F00042
RGB	240, 0, 66
RGB Percent	94%, 0%, 26%
CMY	0.0588, 0.9998, 0.7412
CMYK	0.00, 1.00, 0.72, 0.06
HSL	344°, 100%, 47%
HSV	344°, 100%, 94%
XYZ	36.9185, 18.9186, 6.8601
YIQ	79.2840, 121.8540, 71.4060

Conversions

Conversions Part 2

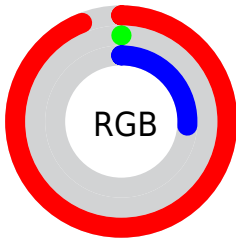
Format	Color
R_{YB}	240, 0, 66
Decimal	15728706
CIE _{Lab}	50.59, 77.78, 35.23
CIE _{LCh}	51, 85.387, 24.368
Yxy	18.9186, 0.5888, 0.3017
Android (android.graphics.Color)	4293918786 (0xFFFF0042)
YUV	79.2840, -6.5490, 140.9479
Hunter-Lab	43.4955, 75.3916, 21.0957

Details

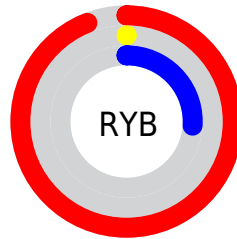
The XYZ color **36.9185, 18.9186, 6.8601** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark saturated red. A complement of this color would be **38.8065, 65.3784, 50.6492**, and the grayscale version is **7.4886, 7.8786, 8.5798**.

A 20% lighter version of the original color is **48.2800, 30.4803, 19.2582**, and **17.8441, 9.1799, 1.6956** is the 20% darker color. If you saturate the color by 10%, you get **36.9169, 18.9179, 6.8532**, and if you desaturate by 10%, it is **37.8398, 19.8117, 10.0954**.

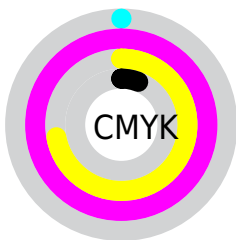
Distribution



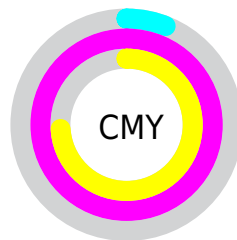
- Red (94%)
- Green (0%)
- Blue (26%)



- Red (94%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9185, 18.9186, 6.8601 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 36.9185, 18.9186, 6.8601 by changing the saturation by 10% instead.


 36.9185, 18.9186,
6.8601


 36.9185, 18.9186,
6.8601


324.3192,
245.9990, 176.0827


 25.3178, 11.6115,
3.2976


 69.7621, 41.5965,
20.1993

 16.4440, 6.4797,
1.2485


 91.7356, 57.7361,
30.8131

 9.9317, 3.1389,
0.0191


 117.8975, 77.5886,
44.6144

 5.4156, 1.2047,
0.0000

 148.6131,
101.5384, 62.0217

 2.5304, 0.0655,
0.0000

 184.2477,
129.9700, 83.4537

 0.9106, 0.0000,
0.0000

 225.1666,

 0.0000, 0.0000,

163.2677, 109.3289

0.0000

271.7354,
201.8159, 140.0657

■ 36.9185, 18.9186,
6.8601

■ 36.9185, 18.9186,
6.8601

■ 36.9169, 18.9179,
6.8532

■ 37.8398, 19.8117,
10.0954

■ 39.3340, 21.5799,
14.3551

■ 41.5389, 24.4809,
19.7420

■ 44.5401, 28.6688,
26.3365

■ 48.4103, 34.2734,
34.2105

■ 53.2135, 41.4086,
43.4300

■ 59.0076, 50.1764,
54.0563

■ 65.8457, 60.6703,
66.1466

■ 73.7770, 72.9763,
79.7548

Harmonies

Analogous

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



39.1461, 18.9186, 25.4467



36.9185, 18.9186, 6.8601



29.0443, 18.9186, 1.2747

Triad

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



36.9185, 18.9186, 6.8601



7.8379, 18.9186, 3.7496



16.4522, 18.9186, 108.5383

Complementary

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



36.9185, 18.9186, 6.8601



38.8065, 65.3784, 50.6492

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.



10.1593, 18.9186, 85.0825



36.9185, 18.9186, 6.8601



6.2728, 18.9186, 16.4100

Square

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



36.9185, 18.9186, 6.8601



12.1398, 18.9186, 0.6605



6.9670, 18.9186, 45.9755



25.4487, 18.9186, 97.2297

Rectangle

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



36.9185, 18.9186, 6.8601



22.6616, 18.9186, 0.3494



6.9670, 18.9186, 45.9755



13.9948, 18.9186, 104.1240

Sweetspot

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



36.9189, 18.9198, 6.8604



67.6298, 57.4480, 61.8761



32.7457, 15.0651, 83.6193



13.8443, 11.3369, 12.0987



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.



36.9189, 18.9198, 6.8604



42.3480, 21.7032, 7.7645



37.1654, 20.9855, 2.0935



15.9513, 15.8302, 17.2996



20.2571, 10.3753, 4.0044



1.7257, 0.8793, 0.5465

Inverse Universe

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



36.9189, 18.9198, 6.8604



42.3480, 21.7032, 7.7645



33.7147, 42.2635, 88.8181



15.9513, 15.8302, 17.2996



20.2571, 10.3753, 4.0044



1.7257, 0.8793, 0.5465

Previews

White Background



This preview shows how the XYZ color 36.9185, 18.9186, 6.8601 looks on a white background.

Color Contrast Check

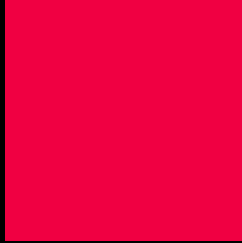
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9185, 18.9186, 6.8601 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 36.9185, 18.9186, 6.8601

Background



This preview shows how black text looks on a background with the XYZ color 36.9185, 18.9186, 6.8601.



This preview shows how white text looks on a background with the XYZ color 36.9185, 18.9186,

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

36.9185, 18.9186, 6.8601

Protanopia

18.2649, 19.4870, 14.6031

Deuteranopia

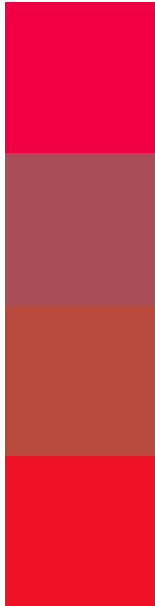
19.6737, 19.3364, 6.1854



Tritanopia

36.1148, 19.1851, 2.4615

Trichromacy



Original Color

36.9185, 18.9186, 6.8601

Protanomaly

20.8069, 14.5719, 10.7328

Deuteranomaly

22.7409, 15.2703, 5.7519

Tritanomaly

36.1310, 18.8852, 3.4912

Monochromacy



Original Color

36.9185, 18.9186, 6.8601

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

12.8579, 8.1789, 7.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9185, 18.9186, 6.8601 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(240, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 66)  
}
```

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(240, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 36.9185, 18.9186, 6.8601 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(240, 0, 66) }
```


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

```
.border{ border-color:rgb(240, 0, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.9185, 18.9186, 6.8601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 66) }
```

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

```
.background{ background-color: rgb(240, 0,  
66) }
```

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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