

# Converting Colors

XYZ(36.3886, 18.5957, 9.0801)

Have a look what the booklet for  
XYZ(36.3886, 18.5957, 9.0801)  
contains.

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# Color

**XYZ(36.3363, 18.5690,  
9.0662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED004F
RGB	237, 0, 79
RGB Percent	93%, 0%, 31%
CMY	0.0706, 0.9998, 0.6902
CMYK	0.00, 1.00, 0.67, 0.07
HSL	340°, 100%, 46%
HSV	340°, 100%, 93%
XYZ	36.3363, 18.5690, 9.0662
YIQ	79.8690, 115.8930, 74.8130

# Conversions

## Conversions Part 2

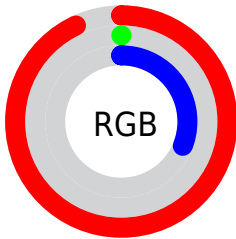
Format	Color
R <sub>Y</sub> B	237, 0, 79
Decimal	15532111
CIE Lab	50.18, 77.63, 26.77
CIE LCh	50, 82.117, 19.024
Yxy	18.5690, 0.5680, 0.2903
Android (android.graphics.Color)	4293722191 (0xFFED004F)
YUV	79.8690, -0.4284, 137.8039
Hunter-Lab	43.0918, 75.1061, 17.6900

# Details

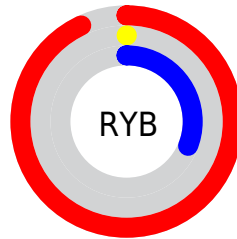
The XYZ color **36.3363, 18.5690, 9.0662** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **36.4611, 63.0389, 42.6191**, and the grayscale version is **7.5906, 7.9859, 8.6967**.

A 20% lighter version of the original color is **49.1390, 30.8239, 23.7818**, and **17.3317, 8.8980, 2.4731** is the 20% darker color. If you saturate the color by 10%, you get **36.3347, 18.5684, 9.0589**, and if you desaturate by 10%, it is **37.3031, 19.4704, 12.5719**.

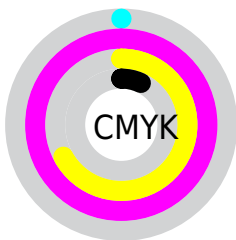
# Distribution



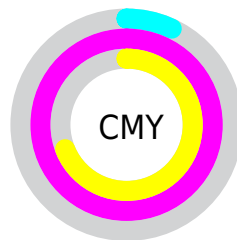
- Red (93%)
- Green (0%)
- Blue (31%)



- Red (93%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3363, 18.5690, 9.0662 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 36.3363, 18.5690, 9.0662 by changing the saturation by 10% instead.





 36.3363, 18.5690,  
9.0662


 36.3363, 18.5690,  
9.0662


321.8337,  
244.0590, 194.1072


 24.8653, 11.3593,  
4.6870


 68.8713, 41.0045,  
24.6034


 16.1050, 6.3090,  
2.0093


 90.6661, 56.9991,  
36.5984

 9.6898, 3.0339,  
0.5610


 116.6328, 76.6908,  
51.9692

 5.2544, 1.1494,  
0.0000

 147.1369,  
100.4639, 71.1342

 2.4336, 0.0198,  
0.0000

 182.5437,  
128.7029, 94.5119

 0.8619, 0.0000,  
0.0000

 223.2185,

 0.0000, 0.0000,

161.7921, 122.5210

0.0000

269.5267,  
200.1160, 155.5799

■ 36.3363, 18.5690,  
9.0662

■ 36.3363, 18.5690,  
9.0662

■ 36.3347, 18.5684,  
9.0589

■ 37.3031, 19.4704,  
12.5719

■ 38.8074, 21.2132,  
16.9751

■ 40.9806, 24.0479,  
22.3600

■ 43.9028, 28.1225,  
28.7902

■ 47.6422, 33.5621,  
36.3234

■ 52.2588, 40.4760,  
45.0121

■ 57.8066, 48.9625,  
54.9053

■ 64.3354, 59.1113,  
66.0489

■ 71.8912, 71.0054,  
78.4863

# Harmonies

## Analogous

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



37.2398, 18.5690, 29.7205



36.3363, 18.5690, 9.0662



29.6496, 18.5690, 1.9253

# Triad

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



36.3363, 18.5690, 9.0662



8.4615, 18.5690, 2.9774



14.9034, 18.5690, 100.4800

# Complementary

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



36.3363, 18.5690, 9.0662



36.4611, 63.0389, 42.6191

# 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.



9.4224, 18.5690, 74.3262



36.3363, 18.5690, 9.0662



6.5163, 18.5690, 12.9941

# Square

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



36.3363, 18.5690, 9.0662



13.1324, 18.5690, 0.6211



6.8054, 18.5690, 38.0470



23.0986, 18.5690, 95.9323



# Rectangle

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



36.3363, 18.5690, 9.0662



23.6872, 18.5690, 0.6880



6.8054, 18.5690, 38.0470



12.7359, 18.5690, 94.5037

# Sweetspot

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



36.3367, 18.5702, 9.0665



68.1577, 57.6592, 64.6562



29.3908, 13.3866, 81.1550



13.9669, 11.3860, 12.7446



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.



36.3367, 18.5702, 9.0665



42.8781, 21.9152, 10.5561



35.6688, 19.4918, 1.8840



15.2725, 15.1368, 16.7201



19.8919, 10.1595, 5.2322



1.6052, 0.8150, 0.6382



# Inverse Universe

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



36.3367, 18.5702, 9.0665



42.8781, 21.9152, 10.5561



35.3687, 46.2788, 87.1888



15.2725, 15.1368, 16.7201



19.8919, 10.1595, 5.2322



1.6052, 0.8150, 0.6382



# Previews

## White Background



This preview shows how the XYZ color 36.3363, 18.5690, 9.0662 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 36.3363, 18.5690, 9.0662 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 36.3363, 18.5690, 9.0662**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3363, 18.5690, 9.0662.



This preview shows how white text looks on a background with the XYZ color 36.3363, 18.5690,



# 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

36.3363, 18.5690, 9.0662

### Protanopia

18.3019, 19.2208, 19.2684

### Deuteranopia

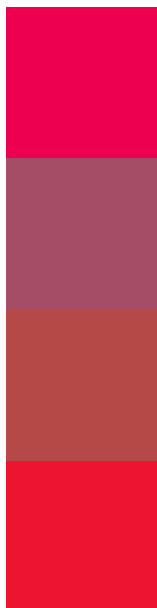
19.3869, 18.9747, 8.1095



## Tritanopia

35.3182, 18.9497, 2.8948

# Trichromacy



## Original Color

36.3363, 18.5690, 9.0662

## Protanomaly

20.6191, 14.2864, 14.5028

## Deuteranomaly

22.3746, 14.9363, 7.8346

## Tritanomaly

35.3553, 18.5384, 4.4042

# Monochromacy



## Original Color

36.3363, 18.5690, 9.0662

## Achromatopsia

7.6249, 8.0220, 8.7359

## Achromatomaly

12.9483, 8.2652, 8.5023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3363, 18.5690, 9.0662 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3363, 18.5690, 9.0662 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, 79) }
```



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

```
.border{ border-color:rgb(237, 0, 79) }
```

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, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 79)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 36.3363, 18.5690, 9.0662 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, 79) }
```

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

```
.background{ background-color: rgb(237, 0,  
79) }
```

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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