

# Converting Colors

YIQ(72.0650, 109.1090, 65.5970)

Have a look what the booklet for  
YIQ(72.0650, 109.1090, 65.5970)  
contains.

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# Color

**YIQ(72.0650, 109.1090,  
65.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9003F
RGB	217, 0, 63
RGB Percent	85%, 0%, 25%
CMY	0.1485, 0.9998, 0.7526
CMYK	0.00, 1.00, 0.71, 0.15
HSL	343°, 100%, 43%
HSV	343°, 100%, 85%
XYZ	29.5573, 15.1334, 6.0802
YIQ	72.0650, 109.1090, 65.5970

# Conversions

## Conversions Part 2

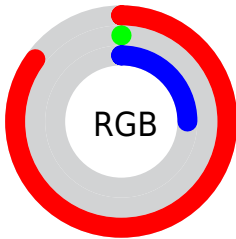
<b>Format</b>	<b>Color</b>
<b>RYB</b>	217, 0, 63
Decimal	14221375
CIELab	45.82, 72.30, 30.13
CIELCh	46, 78.329, 22.627
Yxy	15.1334, 0.5822, 0.2981
Android (android.graphics.Color)	4292411455 (0xFFD9003F)
YUV	72.0650, -4.4690, 127.1080
Hunter-Lab	38.9017, 67.5457, 17.9644

# Details

The YIQ color **72.0650, 109.1090, 65.5970** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **144.9350, -109.1090, -65.5970**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **141.0280, 92.1950, 41.7230**, and **48.2550, 84.1260, 39.2780** is the 20% darker color. If you saturate the color by 10%, you get **72.0650, 109.1090, 65.5970**, and if you desaturate by 10%, it is **86.8030, 97.9230, 59.0670**.

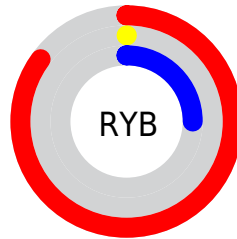
# Distribution



Red (85%)

Green (0%)

Blue (25%)



Red (85%)

Yellow (0%)

Blue (25%)

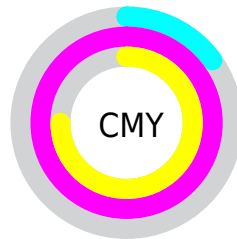


Cyan (0%)

Magenta (100%)

Yellow (71%)

Black (15%)



Cyan (15%)

Magenta (100%)


Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.0650, 109.1090, 65.5970 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 YIQ color 72.0650, 109.1090, 65.5970 by changing the saturation by 10% instead.





 72.0650, 109.1090,  
65.5970


 72.0650, 109.1090,  
65.5970


255.0000, -0.0000,  
-0.0000


 59.9890, 97.0990,  
51.9710


 141.0280, 92.1950,  
41.7230


 48.2550, 84.1260,  
39.2780


 162.1890, 75.3240,  
33.5960

 36.4780, 72.7120,  
25.8640


 182.1760, 59.0030,  
26.5150

 27.4370, 53.5940,  
19.9140

 202.8640, 42.0860,  
19.2220

 18.5810, 35.3930,  
13.8650

 223.6660, 24.8480,  
12.2400

 6.9910, 13.3870,  
5.1870

 244.4680, 7.6100,

 0.0000, 0.0000,

5.2580

0.0000

■ 72.0650, 109.1090,  
65.5970

■ 86.8030, 97.9230,  
59.0670

■ 100.8400, 87.3330,  
52.7490

■ 115.4640, 76.4680,  
45.9080

■ 130.2020, 65.2820,  
39.3780

■ 144.8260, 54.4170,  
32.5370

■ 158.9770, 43.5060,  
26.5300

■ 173.6010, 32.6410,  
19.6890

■ 188.2250, 21.7760,  
12.8480

■ 202.3760, 10.8650,  
6.8410

# Harmonies

## Analogous

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



78.2790, 85.8600, 84.9640



72.0650, 109.1090, 65.5970



96.7370, 96.0070, 5.6630

# Triad

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



72.0650, 109.1090, 65.5970



77.2220, -38.3180, -65.5020



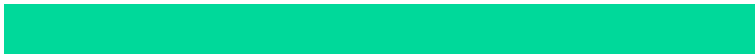
99.0880, -110.9110, 11.1450

# Complementary

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



72.0650, 109.1090, 65.5970



144.9350, -109.1090, -65.5970

# 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.



102.3530, -104.9480, -3.3160



72.0650, 109.1090, 65.5970



88.9180, -65.7400, -42.0920

# Square

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



72.0650, 109.1090, 65.5970



95.8550, 17.6600, -44.7400



97.8440, -88.1180, -21.9900



96.8200, -77.2610, 29.0670



# Rectangle

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



72.0650, 109.1090, 65.5970



102.1540, 72.1230, -13.0370



97.8440, -88.1180, -21.9900



101.3390, -110.3600, 6.6640

# Sweetspot

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



72.0650, 109.1090, 65.5970



204.2320, 38.2340, 22.9540



70.1860, 20.9350, 99.7110



97.2360, 23.2430, 13.7950



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0650, 109.1090, 65.5970



84.6810, 128.2260, 77.0740



90.1240, 117.5070, 23.5150



102.6310, 5.5930, 3.2650



57.4270, 87.0580, 52.2260



15.2360, 23.2430, 13.7950



# Inverse Universe

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



72.0650, 109.1090, 65.5970



84.6810, 128.2260, 77.0740



126.8760, -117.5070, -23.5150



102.6310, 5.5930, 3.2650



57.4270, 87.0580, 52.2260



15.2360, 23.2430, 13.7950



# Previews

## White Background



This preview shows how the YIQ color 72.0650, 109.1090, 65.5970 looks on a white 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



# Black Background



This preview shows how the YIQ color 72.0650, 109.1090, 65.5970 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 72.0650, 109.1090, 65.5970

## Background



This preview shows how black text looks on a background with the YIQ color 72.0650, 109.1090, 65.5970.



This preview shows how white text looks on a background with the YIQ color 72.0650, 109.1090,



# 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

72.0650, 109.1090, 65.5970

### Protanopia

109.9700, 8.7120, -3.7040

### Deuteranopia

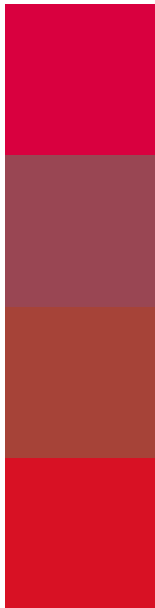
108.2270, 35.4890, -9.9110



## Tritanopia

82.1260, 115.1660, 38.4140

# Trichromacy



## Original Color

72.0650, 109.1090, 65.5970

## Protanomaly

96.2990, 45.2950, 21.6390

## Deuteranomaly

95.3470, 62.5350, 17.5670

## Tritanomaly

78.6670, 112.5050, 48.0970

# Monochromacy



## Original Color

72.0650, 109.1090, 65.5970

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

72.2430, 39.7010, 23.9010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.0650, 109.1090, 65.5970 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(217, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 63)  
}
```

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(217, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 63) }
```

## Border

The CSS property to change the border of an element to YIQ 72.0650, 109.1090, 65.5970 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(217, 0, 63) }
```



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

```
.border{ border-color:rgb(217, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 63)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 72.0650, 109.1090, 65.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 63) }
```

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

```
.background{ background-color: rgb(217, 0,  
63) }
```

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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