

# Converting Colors

YIQ(105.5050, 121.9490,  
53.1570)

Have a look what the booklet for  
YIQ(105.5050, 121.9490, 53.1570)  
contains.

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# Color

**YIQ(105.5050, 121.9490,  
53.1570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF263D
RGB	255, 38, 61
RGB Percent	100%, 15%, 24%
CMY	0.0000, 0.8512, 0.7603
CMYK	0.00, 0.85, 0.76, 0.00
HSL	354°, 100%, 57%
HSV	354°, 85%, 100%
XYZ	42.7757, 22.9786, 6.6125
YIQ	105.5050, 121.9490, 53.1570

# Conversions

## Conversions Part 2

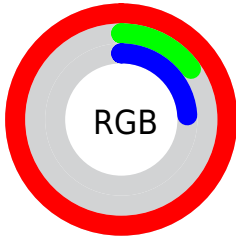
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 38, 61
Decimal	16721469
CIELab	55.05, 76.92, 43.89
CIELCh	55, 88.557, 29.708
Yxy	22.9786, 0.5911, 0.3175
Android (android.graphics.Color)	4294911549 (0xFFFF263D)
YUV	105.5050, -21.9410, 131.1071
Hunter-Lab	47.9360, 75.3965, 25.3765

# Details

The YIQ color **105.5050, 121.9490, 53.1570** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **187.4950, -121.9490, -53.1570**, and the grayscale version is **106.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.6540, 87.0160, 30.9520**, and **58.5630, 106.8660, 45.6660** is the 20% darker color. If you saturate the color by 10%, you get **87.6210, 136.4820, 59.6020**, and if you desaturate by 10%, it is **122.8020, 107.6910, 47.2350**.

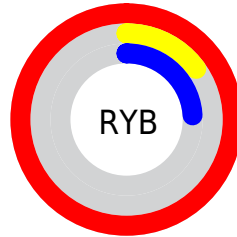
# Distribution



Red (100%)

Green (15%)

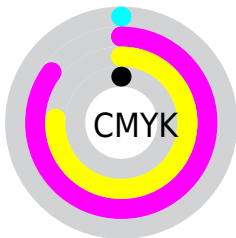
Blue (24%)



Red (100%)

Yellow (15%)

Blue (24%)

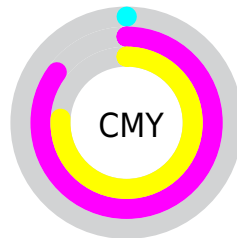


Cyan (0%)

Magenta (85%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (85%)


Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 105.5050, 121.9490, 53.1570 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 105.5050, 121.9490, 53.1570 by changing the saturation by 10% instead.





 105.5050,  
121.9490, 53.1570


 105.5050,  
121.9490, 53.1570


255.0000, -0.0000,  
-0.0000


 70.8240, 119.7930,  
59.1930


 152.6540, 87.0160,  
30.9520

 58.5630, 106.8660,  
45.6660


 173.8150, 70.1450,  
22.8250


 46.9430, 93.5720,  
33.2840


 194.3890, 53.5490,  
15.2210

 37.0760, 73.9040,  
26.2880

 215.0770, 36.6320,  
7.9280

 27.8500, 53.8690,  
20.4370

 235.8790, 19.3940,  
0.9460

 18.8800, 35.9890,  
14.0770

 253.7460, 3.5310,

 7.5890, 14.5790,

-3.4210

5.6110

■ 0.0000, 0.0000,  
0.0000

■ 105.5050,  
121.9490, 53.1570

■ 105.5050,  
121.9490, 53.1570

■ 87.6210, 136.4820,  
59.6020

■ 122.8020,  
107.6910, 47.2350

■ 79.3230, 143.3130,  
62.4570

■ 140.6860, 93.1580,  
40.7900

■ 157.8690, 79.2210,  
34.5570

■ 175.7530, 64.6880,  
28.1120

■ 193.0500, 50.4300,  
22.1900

210.9340, 35.8970,  
15.7450

228.2310, 21.6390,  
9.8230

246.0010, 7.4270,  
3.0670

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



91.7490, 108.3240, 96.3560



105.5050, 121.9490, 53.1570



121.2460, 104.3990, -3.2570

# Triad

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



105.5050, 121.9490, 53.1570



98.4630, -58.1700, -69.1620



113.0110, -121.1800, 4.5160

# Complementary

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



105.5050, 121.9490, 53.1570



187.4950, -121.9490, -53.1570

# 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.



121.8160, -125.3050, -3.3290



105.5050, 121.9490, 53.1570



110.3870, -86.2340, -45.1300

# Square

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



105.5050, 121.9490, 53.1570



111.9810, 7.8970, -60.5430



119.2790, -111.2720, -20.8720



128.0140, -45.0320, 45.2080



# Rectangle

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



105.5050, 121.9490, 53.1570



124.2710, 75.7470, -23.6530



119.2790, -111.2720, -20.8720



116.5330, -122.8300, 1.3780

# Sweetspot

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



105.5050, 121.9490, 53.1570



209.5320, 37.0890, 16.1690



120.1460, 44.7750, 108.1910



100.4160, 22.5560, 9.7240



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.



105.5050, 121.9490, 53.1570



79.3230, 143.3130, 62.4570



151.6040, 106.5070, 2.5950



119.0010, 7.4270, 3.0670



59.3890, 107.4160, 46.7120



19.9340, 35.8970, 15.7450



# Inverse Universe

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



105.5050, 121.9490, 53.1570



79.3230, 143.3130, 62.4570



141.3960, -106.5070, -2.5950



119.0010, 7.4270, 3.0670



59.3890, 107.4160, 46.7120



19.9340, 35.8970, 15.7450



# Previews

## White Background



This preview shows how the YIQ color 105.5050, 121.9490, 53.1570 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 YIQ color 105.5050, 121.9490, 53.1570 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](#).

# YIQ 105.5050, 121.9490, 53.1570

## Background



This preview shows how black text looks on a background with the YIQ color 105.5050, 121.9490, 53.1570.



This preview shows how white text looks on a background with the YIQ color 105.5050, 121.9490,



# 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

105.5050, 121.9490, 53.1570

### Protanopia

130.3870, 20.3590, -11.0410

### Deuteranopia

128.6550, 48.6030, -16.3010



## **Tritanopia**

105.4590, 127.5900, 44.5340

# Trichromacy



## Original Color

105.5050, 121.9490, 53.1570

## Protanomaly

121.5480, 57.3550, 12.3230

## Deuteranomaly

120.3080, 75.4660, 8.9860

## Tritanomaly

105.7840, 125.2970, 47.5450

# Monochromacy



## Original Color

105.5050, 121.9490, 53.1570

## Achromatopsia

105.0000, 0.0000, 0.0000

## Achromatomaly

105.5330, 44.5160, 19.2360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 105.5050, 121.9490, 53.1570 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(255, 38, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 61)  
}
```

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(255, 38, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 61) }
```

## Border

The CSS property to change the border of an element to YIQ 105.5050, 121.9490, 53.1570 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(255, 38, 61) }
```



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

```
.border{ border-color:rgb(255, 38, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
61) }
```

# Background

The CSS property to change the background color of an element to YIQ 105.5050, 121.9490, 53.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 61) }
```

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

```
.background{ background-color: rgb(255, 38,  
61) }
```

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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