

# Converting Colors

YIQ(102.7610, 124.1040,  
52.6480)

Have a look what the booklet for  
YIQ(102.7610, 124.1040, 52.6480)  
contains.

<b>YIQ(102.7610, 124.1040, 52.6480)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(102.7610, 124.1040,  
52.6480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE2337
RGB	254, 35, 55
RGB Percent	100%, 14%, 22%
CMY	0.0034, 0.8630, 0.7838
CMYK	0.00, 0.86, 0.78, 0.00
HSL	354°, 99%, 57%
HSV	354°, 86%, 100%
XYZ	42.2137, 22.5702, 5.7613
YIQ	102.7610, 124.1040, 52.6480

# Conversions

## Conversions Part 2

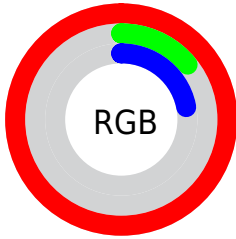
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	254, 35, 55
Decimal	16655159
CIE Lab	54.63, 77.06, 46.69
CIE LCh	55, 90.096, 31.210
Yxy	22.5702, 0.5984, 0.3199
Android (android.graphics.Color)	4294845239 (0xFFFE2337)
YUV	102.7610, -23.5462, 132.6366
Hunter-Lab	47.5081, 75.4686, 26.0656

# Details

The YIQ color **102.7610, 124.1040, 52.6480** 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 **186.2390, -124.1040, -52.6480**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.7960, 89.4920, 30.1320**, and **57.5800, 108.1960, 43.5880** is the 20% darker color. If you saturate the color by 10%, you get **85.4640, 138.3620, 58.5700**, and if you desaturate by 10%, it is **120.0580, 109.8460, 46.7260**.

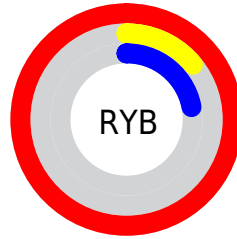
# Distribution



Red (100%)

Green (14%)

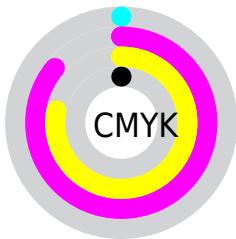
Blue (22%)



Red (100%)

Yellow (14%)

Blue (22%)

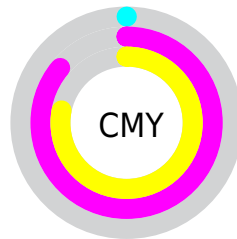


Cyan (0%)

Magenta (86%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 102.7610, 124.1040, 52.6480 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 102.7610, 124.1040, 52.6480 by changing the saturation by 10% instead.





 102.7610,  
124.1040, 52.6480


 102.7610,  
124.1040, 52.6480


255.0000, -0.0000,  
-0.0000


 69.8410, 121.1230,  
57.1150


 150.7960, 89.4920,  
30.1320


 57.5800, 108.1960,  
43.5880


 171.8430, 72.9420,  
21.6940


 46.3450, 92.3800,  
32.8600


 192.4170, 56.3460,  
14.0900

 36.7770, 73.3080,  
26.0760

 213.1050, 39.4290,  
6.7970

 27.5510, 53.2730,  
20.2250

 233.9070, 22.1910,  
-0.1850

 18.2820, 34.7970,  
13.6530

 253.0620, 5.4570,

 6.8770, 13.7080,

-5.2870

4.8760

■ 0.0000, 0.0000,  
0.0000

■ 102.7610,  
124.1040, 52.6480

■ 102.7610,  
124.1040, 52.6480

■ 85.4640, 138.3620,  
58.5700

■ 120.0580,  
109.8460, 46.7260

■ 78.5680, 144.0010,  
61.0010

■ 137.9420, 95.3130,  
40.2810

■ 155.2390, 81.0550,  
34.3590

■ 173.1230, 66.5220,  
27.9140

■ 190.4200, 52.2640,  
21.9920

■ 207.8310, 37.6850,  
16.3810

■ 225.7150, 23.1520,  
9.9360

■ 243.0120, 8.8940,  
4.0140

254.7010, -0.5960,  
-0.2120

# Harmonies

## Analogous

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



91.1790, 109.9290, 94.8010



102.7610, 124.1040, 52.6480



120.3490, 102.6110, -3.8930

# Triad

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



102.7610, 124.1040, 52.6480



98.1040, -58.5370, -68.0170



111.8370, -120.6300, 5.5620

# Complementary

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



102.7610, 124.1040, 52.6480



186.2390, -124.1040, -52.6480

# 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.



121.2290, -125.0300, -2.8060



102.7610, 124.1040, 52.6480



110.1420, -86.9220, -43.6740

# Square

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



102.7610, 124.1040, 52.6480



109.0020, 3.4040, -61.7160



119.6210, -112.2350, -19.9390



128.3460, -40.0350, 48.2610



# Rectangle

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



102.7610, 124.1040, 52.6480



123.6620, 73.0880, -25.0240



119.6210, -112.2350, -19.9390



115.9460, -122.5550, 1.9010

# Sweetspot

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



102.7610, 124.1040, 52.6480



209.4180, 37.4100, 15.8580



118.8690, 47.1130, 109.8730



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.



102.7610, 124.1040, 52.6480



78.8670, 144.5970, 61.2130



152.1370, 106.3240, 0.4040



119.0010, 7.4270, 3.0670



59.1610, 108.0580, 46.0900



19.8200, 36.2180, 15.4340



# Inverse Universe

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



102.7610, 124.1040, 52.6480



78.8670, 144.5970, 61.2130



136.8630, -106.3240, -0.4040



119.0010, 7.4270, 3.0670



59.1610, 108.0580, 46.0900



19.8200, 36.2180, 15.4340



# Previews

## White Background



This preview shows how the YIQ color 102.7610, 124.1040, 52.6480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

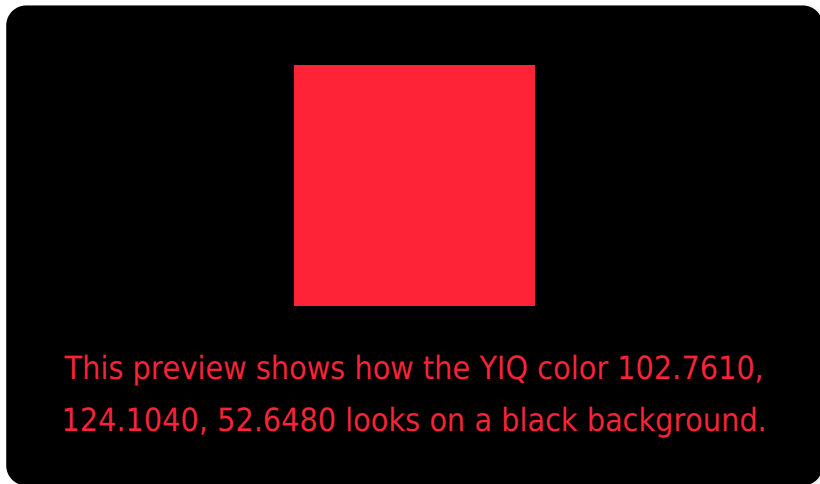
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 102.7610, 124.1040, 52.6480

## Background



This preview shows how black text looks on a background with the YIQ color 102.7610, 124.1040, 52.6480.



This preview shows how white text looks on a background with the YIQ color 102.7610, 124.1040,

52.6480.

# 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

102.7610, 124.1040, 52.6480

### Protanopia

129.0020, 22.8810, -12.6950

### Deuteranopia

126.8570, 50.8500, -18.4780



## Tritanopia

102.9430, 129.1030, 44.6470

# Trichromacy



## Original Color

102.7610, 124.1040, 52.6480

## Protanomaly

119.2770, 59.5560, 10.9800

## Deuteranomaly

118.0370, 77.6670, 7.6430

## Tritanomaly

103.1540, 127.1310, 47.3470

# Monochromacy



## Original Color

102.7610, 124.1040, 52.6480

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.8320, 45.1120, 19.4480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 102.7610, 124.1040, 52.6480 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(254, 35, 55)` looks like.

```
.text, #text, p{  
    color:rgb(254, 35, 55)  
}
```

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(254, 35, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 35, 55) }
```

## Border

The CSS property to change the border of an element to YIQ 102.7610, 124.1040, 52.6480 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(254, 35, 55) }
```



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

```
.border{ border-color:rgb(254, 35, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 35, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 35, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 35, 55);  
box-shadow:4px 4px 4px 4px rgb(254, 35,  
55) }
```

# Background

The CSS property to change the background color of an element to YIQ 102.7610, 124.1040, 52.6480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 35, 55) }
```

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

```
.background{ background-color: rgb(254, 35,  
55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**