

# Converting Colors

YIQ(66.5040, -44.7970, 13.4030)

Have a look what the booklet for  
YIQ(66.5040, -44.7970, 13.4030)  
contains.

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# Color

**YIQ(66.5040, -44.7970,  
13.4030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	20468B
RGB	32, 70, 139
RGB Percent	13%, 27%, 55%
CMY	0.8745, 0.7254, 0.4551
CMYK	0.77, 0.50, 0.00, 0.46
HSL	219°, 63%, 34%
HSV	219°, 77%, 54%
XYZ	7.4423, 6.5516, 25.2758
YIQ	66.5040, -44.7970, 13.4030

# Conversions

## Conversions Part 2

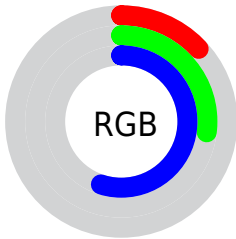
Format	Color
R <sub>Y</sub> B	32, 60, 139
Decimal	2115211
CIE Lab	30.76, 12.34, -42.29
CIE LCh	31, 44.054, 286.269
Yxy	6.5516, 0.1895, 0.1668
Android (android.graphics.Color)	4280305291 (0xFF20468B)
YUV	66.5040, 35.7405, -30.2600
Hunter-Lab	25.5961, 7.1079, -40.6310

# Details

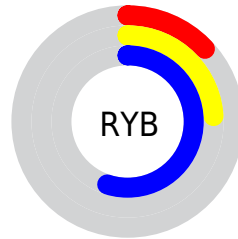
The YIQ color **66.5040, -44.7970, 13.4030** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **104.4960, 44.7970, -13.4030**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.0750, -38.9750, 18.0250**, and **26.4680, -35.9480, 12.7240** is the 20% darker color. If you saturate the color by 10%, you get **57.0350, -50.6660, 15.1420**, and if you desaturate by 10%, it is **75.9730, -38.9280, 11.6640**.

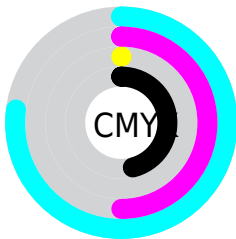
# Distribution



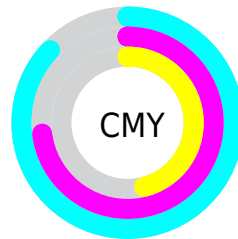
- Red (13%)
- Green (27%)
- Blue (55%)



- Red (13%)
- Yellow (24%)
- Blue (55%)



- Cyan (77%)
- Magenta (50%)
- Yellow (0%)
- Black (46%)



- Cyan (87%)
- Magenta (73%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.5040, -44.7970, 13.4030 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 66.5040, -44.7970, 13.4030 by changing the saturation by 10% instead.



■ 66.5040, -44.7970,  
13.4030

■ 66.5040, -44.7970,  
13.4030

■ 255.0000, -0.0000,  
-0.0000

■ 41.0580, -49.4730,  
10.0390

■ 119.0750,  
-38.9750, 18.0250

■ 26.4680, -35.9480,  
12.7240

■ 145.0150,  
-38.7460, 19.3820

■ 7.2960, -20.5440,  
19.9040

■ 172.5420,  
-38.7920, 20.2160

■ 6.4350, -13.9860,  
11.1820

■ 197.6320,  
-30.5380, 13.7980

■ 2.7530, -6.3740,  
5.3860

■ 222.7390,  
-20.9540, 5.3020

■ 0.0000, 0.0000,  
0.0000

■ 247.8460,

-11.3700, -3.1940

■ 66.5040, -44.7970,  
13.4030

■ 66.5040, -44.7970,  
13.4030

■ 57.0350, -50.6660,  
15.1420

■ 75.9730, -38.9280,  
11.6640

■ 47.5660, -56.5350,  
16.8810

■ 85.4420, -33.0590,  
9.9250

■ 44.6090, -58.0940,  
17.6020

■ 94.9110, -27.1900,  
8.1860

■ 104.3800,  
-21.3210, 6.4470

■ 113.5500,  
-16.0480, 4.4960

■ 123.0190,  
-10.1790, 2.7570

■ 132.4880, -4.3100,  
1.0180

■ 141.9570, 1.5590,  
-0.7210

■ 151.4260, 7.4280,  
-2.4600

# Harmonies

## Analogous

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



63.3930, -66.8940, 0.8660



66.5040, -44.7970, 13.4030



74.3810, 4.4420, 29.6420

# Triad

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



66.5040, -44.7970, 13.4030



68.7490, 52.1750, 7.0790



57.3390, -41.5800, -28.3960

# Complementary

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



66.5040, -44.7970, 13.4030



104.4960, 44.7970, -13.4030

# 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.



59.6610, -13.4280, -31.9880



66.5040, -44.7970, 13.4030



68.3540, 42.3210, -12.5830

# Square

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



66.5040, -44.7970, 13.4030



67.1690, 51.7130, 26.4730



66.4280, 21.1410, -25.2190



62.0300, -53.4110, -17.7230



# Rectangle

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



66.5040, -44.7970, 13.4030



72.3360, 26.6780, 34.1500



66.4280, 21.1410, -25.2190



55.3840, -37.4530, -31.6050

# Sweetspot

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



66.5040, -44.7970, 13.4030



152.5930, -17.6070, 5.2170



102.5610, -51.2530, -34.8130



74.2470, -10.8210, 3.3790



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



66.5040, -44.7970, 13.4030



68.2580, -70.1070, 20.5570



48.3840, -26.0030, 36.2450



63.9720, -2.7970, 1.1310



42.7510, -55.6180, 16.7820



1.7440, -2.1550, 0.5090



# Inverse Universe

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



68.3250, 51.5740, 34.5020



70.7730, 80.2720, 54.0640



122.6160, 26.0030, -36.2450



64.3210, 3.5300, 2.1060



45.1250, 64.1810, 42.8130



1.7230, 2.3380, 1.6820



# Previews

## White Background



This preview shows how the YIQ color 66.5040, -44.7970, 13.4030 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 ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

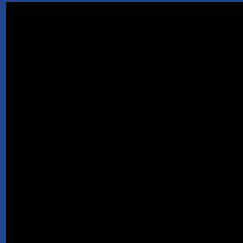
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 66.5040, -44.7970, 13.4030

## Background



This preview shows how black text looks on a background with the YIQ color 66.5040, -44.7970, 13.4030.



This preview shows how white text looks on a background with the YIQ color 66.5040, -44.7970,



# 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

66.5040, -44.7970, 13.4030

### Protanopia

66.8030, -44.2010, 13.6150

### Deuteranopia

58.1440, -61.7590, 1.4170



## Tritanopia

56.7640, -49.6060, -15.0940

# Trichromacy



## Original Color

66.5040, -44.7970, 13.4030

## Protanomaly

66.8030, -44.2010, 13.6150

## Deuteranomaly

61.6010, -55.6160, 5.7280

## Tritanomaly

60.1700, -47.4530, -4.5490

# Monochromacy



## Original Color

66.5040, -44.7970, 13.4030

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

66.6640, -16.3690, 4.8070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.5040, -44.7970, 13.4030 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(32, 70, 139)` looks like.

```
.text, #text, p{  
    color:rgb(32, 70, 139)  
}
```

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(32, 70, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 70, 139) }
```

## Border

The CSS property to change the border of an element to YIQ 66.5040, -44.7970, 13.4030 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(32, 70, 139) }
```



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

```
.border{ border-color:rgb(32, 70, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 70, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 70, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 70, 139);  
box-shadow:4px 4px 4px 4px rgb(32, 70,  
139) }
```

# Background

The CSS property to change the background color of an element to YIQ 66.5040, -44.7970, 13.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 70, 139) }
```

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

```
.background{ background-color: rgb(32, 70,  
139) }
```

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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