

# Converting Colors

YIQ(60.6050, -24.7670, 46.8890)

Have a look what the booklet for  
YIQ(60.6050, -24.7670, 46.8890)  
contains.

<b>YIQ(60.6050, -24.7670, 46.8890)</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(60.6050, -24.7670,  
46.8890)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4225A8
RGB	66, 37, 168
RGB Percent	26%, 15%, 66%
CMY	0.7410, 0.8550, 0.3414
CMYK	0.61, 0.78, 0.00, 0.34
HSL	253°, 64%, 40%
HSV	253°, 78%, 66%
XYZ	9.9737, 5.3072, 37.5196
YIQ	60.6050, -24.7670, 46.8890

# Conversions

## Conversions Part 2

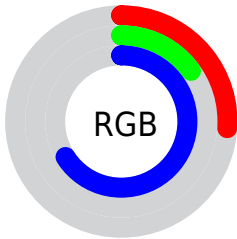
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	66, 37, 168
Decimal	4335016
CIE <sub>Lab</sub>	27.59, 47.94, -65.06
CIE <sub>LCh</sub>	28, 80.809, 306.384
Yxy	5.3072, 0.1889, 0.1005
Android (android.graphics.Color)	4282525096 (0xFF4225A8)
YUV	60.6050, 52.9457, 4.7314
Hunter-Lab	23.0374, 36.9632, -80.4357

# Details

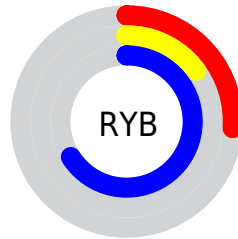
The YIQ color **60.6050, -24.7670, 46.8890** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **144.3950, 24.7670, -46.8890**, and the grayscale version is **60.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **113.6920, -20.4580, 51.3980**, and **13.1100, -36.9150, 35.7650** is the 20% darker color. If you saturate the color by 10%, you get **46.7390, -27.8400, 53.0240**, and if you desaturate by 10%, it is **74.4710, -21.6940, 40.7540**.

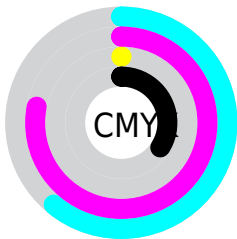
# Distribution



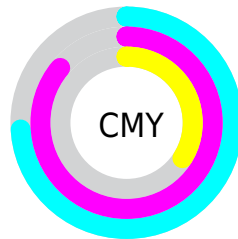
- Red (26%)
- Green (15%)
- Blue (66%)



- Red (26%)
- Yellow (15%)
- Blue (66%)



- Cyan (61%)
- Magenta (78%)
- Yellow (0%)
- Black (34%)



- Cyan (74%)
- Magenta (86%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.6050, -24.7670, 46.8890 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 60.6050, -24.7670, 46.8890 by changing the saturation by 10% instead.



■ 60.6050, -24.7670,  
46.8890

■ 60.6050, -24.7670,  
46.8890

■ 255.0000, -0.0000,  
-0.0000

■ 31.5010, -30.4060,  
44.4580

■ 113.6920,  
-20.4580, 51.3980

■ 12.9960, -36.5940,  
35.4540

■ 140.3440,  
-19.3580, 53.4900

■ 10.1460, -28.5690,  
27.6790

■ 165.0920,  
-10.1410, 46.1390

■ 11.4050, -22.4690,  
16.2430

■ 189.3240, 0.5890,  
38.9010

■ 6.5490, -14.3070,  
11.4930

■ 214.7300, 10.7690,  
30.6170

■ 2.8670, -6.6950,  
5.6970

■ 234.4550, 9.6250,

■ 0.0000, 0.0000,

18.3050

0.0000

251.4780, 1.6500,  
3.1380

60.6050, -24.7670,  
46.8890

60.6050, -24.7670,  
46.8890

46.7390, -27.8400,  
53.0240

74.4710, -21.6940,  
40.7540

32.8730, -30.9130,  
59.1590

88.3370, -18.6210,  
34.6190

30.2150, -31.8760,  
60.0920

101.6160,  
-15.2730, 29.0070

115.4820,  
-12.2000, 22.8720

129.3480, -9.1270,  
16.7370

■ 143.2140, -6.0540,  
10.6020

■ 157.3790, -2.3850,  
4.6790

■ 170.6580, 0.9630,  
-0.9330

■ 184.5240, 4.0360,  
-7.0680

# Harmonies

## Analogous

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



64.2660, -81.7530, 22.3670



60.6050, -24.7670, 46.8890



56.2800, 48.5880, 66.6040

# Triad

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



60.6050, -24.7670, 46.8890



58.7620, 59.3280, 4.0960



59.3740, -48.6880, -20.7200

# Complementary

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



60.6050, -24.7670, 46.8890



144.3950, 24.7670, -46.8890

# 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.



49.7640, -24.3840, -42.6880



60.6050, -24.7670, 46.8890



60.5470, 22.4240, -20.9360

# Square

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



60.6050, -24.7670, 46.8890



45.7470, 91.1880, 32.4360



46.9600, -22.0000, -41.8400



66.9150, -68.5440, -2.2720



# Rectangle

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



60.6050, -24.7670, 46.8890



57.1020, 72.1560, 57.9800



46.9600, -22.0000, -41.8400



56.8660, -41.6260, -27.5620

# Sweetspot

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



60.6050, -24.7670, 46.8890



177.9890, -9.4940, 17.8820



112.3950, -70.3760, -13.1280



84.6270, -5.7790, 11.1250



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



60.6050, -24.7670, 46.8890



50.2380, -38.7100, 73.8180



80.0400, 13.9730, 60.6690



77.5100, -1.3760, 2.9120



26.7390, -27.8400, 53.0240



3.7750, -3.4400, 7.2800



# Inverse Universe

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



87.7970, 45.3340, 59.4940



92.9480, 71.0950, 93.7430



124.9600, -13.9730, -60.6690



79.0760, 2.8420, 3.5620



57.3620, 51.2930, 67.1410

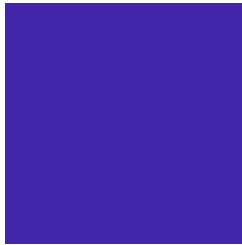


7.8040, 6.7840, 9.2160



# Previews

## White Background



This preview shows how the YIQ color 60.6050, -24.7670, 46.8890 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



This preview shows how the YIQ color 60.6050, -24.7670, 46.8890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

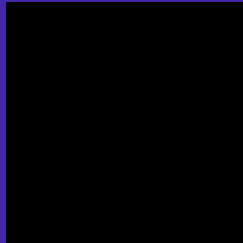
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 60.6050, -24.7670, 46.8890

## Background



This preview shows how black text looks on a background with the YIQ color 60.6050, -24.7670, 46.8890.



This preview shows how white text looks on a background with the YIQ color 60.6050, -24.7670,



# 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

60.6050, -24.7670, 46.8890

### Protanopia

52.1430, -60.0180, 8.4140

### Deuteranopia

52.3250, -55.0190, 0.4130



## Tritanopia

57.1360, -32.9180, -9.1580

# Trichromacy



## Original Color

60.6050, -24.7670, 46.8890

## Protanomaly

55.5180, -47.4120, 22.2520

## Deuteranomaly

55.3240, -44.1100, 17.4740

## Tritanomaly

58.3500, -29.8040, 11.5080

# Monochromacy



## Original Color

60.6050, -24.7670, 46.8890

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

60.7610, -8.8520, 17.2600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.6050, -24.7670, 46.8890 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(66, 37, 168)` looks like.

```
.text, #text, p{  
    color:rgb(66, 37, 168)  
}
```

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(66, 37, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 37, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 60.6050, -24.7670, 46.8890 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(66, 37, 168) }
```



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

```
.border{ border-color:rgb(66, 37, 168) }
```

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

Here you see how a box with a 4 pixel rgb(66, 37, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 37, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 37, 168);  
box-shadow:4px 4px 4px 4px rgb(66, 37,  
168) }
```

# Background

The CSS property to change the background color of an element to YIQ 60.6050, -24.7670, 46.8890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 37, 168) }
```

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

```
.background{ background-color: rgb(66, 37,  
168) }
```

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