

# Converting Colors

YIQ(85.6640, -24.3960, 23.6360)

Have a look what the booklet for  
YIQ(85.6640, -24.3960, 23.6360)  
contains.

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# Color

**YIQ(85.6640, -24.3960,  
23.6360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D4D99
RGB	77, 77, 153
RGB Percent	30%, 30%, 60%
CMY	0.6980, 0.6980, 0.4002
CMYK	0.50, 0.50, 0.00, 0.40
HSL	240°, 33%, 45%
HSV	240°, 50%, 60%
XYZ	11.4619, 9.1847, 31.2885
YIQ	85.6640, -24.3960, 23.6360

# Conversions

## Conversions Part 2

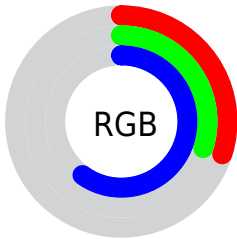
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 77, 153
Decimal	5066137
CIE <sub>Lab</sub>	36.34, 21.43, -41.74
CIE <sub>LCh</sub>	36, 46.923, 297.180
Yxy	9.1847, 0.2207, 0.1768
Android (android.graphics.Color)	4283256217 (0xFF4D4D99)
YUV	85.6640, 33.1966, -7.5983
Hunter-Lab	30.3062, 14.4735, -39.9974

# Details

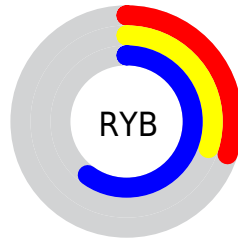
The YIQ color **85.6640, -24.3960, 23.6360** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **144.3360, 24.3960, -23.6360**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **136.8430, -23.3420, 26.5620**, and **36.2670, -30.7680, 17.9680** is the 20% darker color. If you saturate the color by 10%, you get **72.3740, -29.2110, 28.3010**, and if you desaturate by 10%, it is **98.9540, -19.5810, 18.9710**.

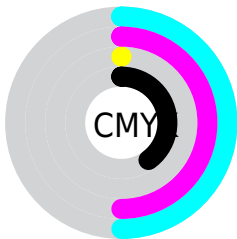
# Distribution



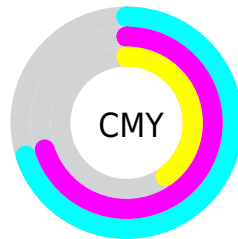
- Red (30%)
- Green (30%)
- Blue (60%)



- Red (30%)
- Yellow (30%)
- Blue (60%)



- Cyan (50%)
- Magenta (50%)
- Yellow (0%)
- Black (40%)



- Cyan (70%)
- Magenta (70%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.6640, -24.3960, 23.6360 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 85.6640, -24.3960, 23.6360 by changing the saturation by 10% instead.



■ 85.6640, -24.3960,  
23.6360

■ 85.6640, -24.3960,  
23.6360

■ 255.0000, -0.0000,  
-0.0000

■ 61.1260, -25.8170,  
21.8550

■ 136.8430,  
-23.3420, 26.5620

■ 36.5660, -30.1720,  
18.1800

■ 163.3700,  
-23.3880, 27.3960

■ 16.4090, -28.2920,  
17.1480

■ 189.7570,  
-20.2240, 25.1200

■ 6.0420, -17.0130,  
16.4830

■ 214.2770,  
-10.3650, 17.1470

■ 4.7080, -10.5010,  
8.5950

■ 239.3840, -0.7810,  
8.6510

■ 0.2280, -0.6420,  
0.6220

■ 0.0000, 0.0000,

0.0000

■ 85.6640, -24.3960,  
23.6360

■ 85.6640, -24.3960,  
23.6360

■ 72.3740, -29.2110,  
28.3010

■ 98.9540, -19.5810,  
18.9710

■ 58.1980, -34.3470,  
33.2770

■ 113.1300,  
-14.4450, 13.9950

■ 44.9080, -39.1620,  
37.9420

■ 126.4200, -9.6300,  
9.3300

■ 31.6180, -43.9770,  
42.6070

■ 139.7100, -4.8150,  
4.6650

■ 18.3280, -48.7920,  
47.2720

■ 153.0000, 0.0000,  
-0.0000

■ 17.4420, -49.1130,  
47.5830

■ 167.1760, 5.1360,  
-4.9760

■ 180.4660, 9.9510,  
-9.6410

■ 193.7560, 14.7660,  
-14.3060

■ 207.9320, 19.9020,  
-19.2820

# Harmonies

## Analogous

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



71.7710, -76.7060, 2.4780



85.6640, -24.3960, 23.6360



87.0840, 18.7000, 35.5640

# Triad

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



85.6640, -24.3960, 23.6360



81.6750, 55.0190, -0.4130



69.1080, -54.0510, -28.1550

# Complementary

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



85.6640, -24.3960, 23.6360



144.3360, 24.3960, -23.6360

# 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.



63.4880, -40.9820, -39.2380



85.6640, -24.3960, 23.6360



80.4150, 40.3510, -20.9370

# Square

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



85.6640, -24.3960, 23.6360



81.1280, 58.9580, 21.8220



75.9770, 14.8610, -32.5550



74.0270, -66.5240, -16.8600



# Rectangle

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



85.6640, -24.3960, 23.6360



83.8600, 39.8820, 37.1460



75.9770, 14.8610, -32.5550



67.5120, -49.5570, -32.5090

# Sweetspot

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



85.6640, -24.3960, 23.6360



172.4200, -9.6300, 9.3300



130.2760, -45.2960, -16.1120



83.9380, -5.4570, 5.2870



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



85.6640, -24.3960, 23.6360



93.5660, -38.1990, 37.0090



97.0260, -1.7480, 31.6920



69.9120, -2.5680, 2.4880



15.9600, -44.9400, 43.5400



1.4820, -4.1730, 4.0430



# Inverse Universe

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



108.3880, 20.9000, 39.7480



129.1470, 32.7250, 62.2370



132.9740, 1.7480, -31.6920



72.1900, 2.5210, 3.8730



57.8200, 38.5000, 73.2200



5.3690, 3.5750, 6.7990



# Previews

## White Background



This preview shows how the YIQ color 85.6640, -24.3960, 23.6360 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 85.6640, -24.3960, 23.6360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

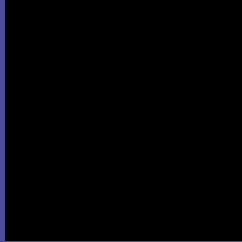
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 85.6640, -24.3960, 23.6360**

## **Background**



This preview shows how black text looks on a background with the YIQ color 85.6640, -24.3960, 23.6360.



This preview shows how white text looks on a background with the YIQ color 85.6640, -24.3960,



# 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

85.6640, -24.3960, 23.6360

### Protanopia

80.6010, -46.4480, 15.7920

### Deuteranopia

76.6550, -55.7080, 7.3960



## Tritanopia

81.9420, -20.4480, -3.8720

# Trichromacy



## Original Color

85.6640, -24.3960, 23.6360

## Protanomaly

82.4880, -38.7000, 18.5480

## Deuteranomaly

79.8030, -44.2010, 13.6150

## Tritanomaly

83.0810, -21.9170, 6.2350

# Monochromacy



## Original Color

85.6640, -24.3960, 23.6360

## Achromatopsia

86.0000, -0.0000, -0.0000

## Achromatomaly

86.0780, -8.6670, 8.3970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.6640, -24.3960, 23.6360 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(77, 77, 153)` looks like.

```
.text, #text, p{  
    color:rgb(77, 77, 153)  
}
```

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(77, 77, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 77, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 85.6640, -24.3960, 23.6360 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(77, 77, 153) }
```



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

```
.border{ border-color:rgb(77, 77, 153) }
```

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

Here you see how a box with a 4 pixel rgb(77, 77, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 77, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 77, 153);  
box-shadow:4px 4px 4px 4px rgb(77, 77,  
153) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.6640, -24.3960, 23.6360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 77, 153) }
```

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

```
.background{ background-color: rgb(77, 77,  
153) }
```

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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