

# Converting Colors

YIQ(30.3740, -45.2650, 65.9590)

Have a look what the booklet for  
YIQ(30.3740, -45.2650, 65.9590)  
contains.

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# Color

**YIQ(30.3740, -45.2650,  
65.9590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1C00C1
RGB	28, 0, 193
RGB Percent	11%, 0%, 76%
CMY	0.8899, 1.0000, 0.2435
CMYK	0.85, 1.00, 0.00, 0.24
HSL	249°, 100%, 38%
HSV	249°, 100%, 76%
XYZ	10.0965, 4.0941, 50.6611
YIQ	30.3740, -45.2650, 65.9590

# Conversions

## Conversions Part 2

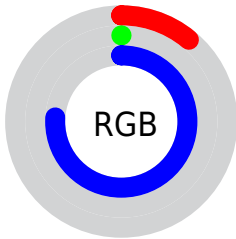
<b>Format</b>	<b>Color</b>
<b>RYB</b>	28, 0, 193
Decimal	1835201
CIELab	23.98, 64.47, -86.05
CIELCh	24, 107.520, 306.843
Yxy	4.0941, 0.1557, 0.0631
Android (android.graphics.Color)	4280025281 (0xFF1C00C1)
YUV	30.3740, 80.1746, -2.0820
Hunter-Lab	20.2338, 53.6607, -134.2859

# Details

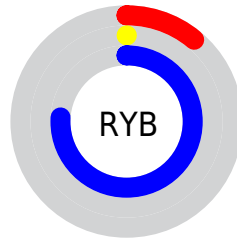
The YIQ color **30.3740, -45.2650, 65.9590** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **162.6260, 45.2650, -65.9590**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.4850, -32.3360, 68.4320**, and **15.7320, -44.2980, 42.9180** is the 20% darker color. If you saturate the color by 10%, you get **30.3740, -45.2650, 65.9590**, and if you desaturate by 10%, it is **46.6100, -40.3580, 59.6260**.

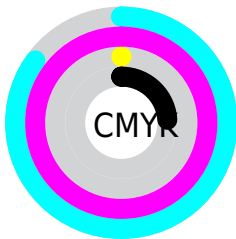
# Distribution



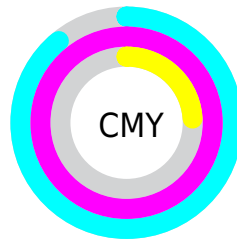
- Red (11%)
- Green (0%)
- Blue (76%)



- Red (11%)
- Yellow (0%)
- Blue (76%)



- Cyan (85%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)



- Cyan (89%)
- Magenta (100%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 30.3740, -45.2650, 65.9590 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 30.3740, -45.2650, 65.9590 by changing the saturation by 10% instead.



■ 30.3740, -45.2650,  
65.9590

■ 30.3740, -45.2650,  
65.9590

■ 255.0000, -0.0000,  
-0.0000

■ 18.8100, -52.9650,  
51.3150

■ 98.4850, -32.3360,  
68.4320

■ 15.7320, -44.2980,  
42.9180

■ 123.7710,  
-21.6980, 62.8620

■ 12.6540, -35.6310,  
34.5210

■ 149.1880,  
-10.0510, 55.5250

■ 16.7340, -30.5850,  
20.1590

■ 174.3060, 1.0000,  
47.9760

■ 10.4760, -21.2310,  
15.8330

■ 199.4240, 12.0510,  
40.4270

■ 6.0930, -13.0230,  
10.2490

■ 221.5410, 15.6750,


■ 2.2970, -5.0900,


29.8110


4.1420


 238.5640, 7.7000,  
14.6440


 0.0000, 0.0000,  
0.0000


 30.3740, -45.2650,  
65.9590

 46.6100, -40.3580,  
59.6260

 63.1340, -36.3220,  
52.5580

 79.3700, -31.4150,  
46.2250

 95.3070, -27.1040,  
39.6800

 111.2440,  
-22.7930, 33.1350

■ 128.0670,  
-18.1610, 26.2790

■ 144.0040,  
-13.8500, 19.7340

■ 160.2400, -8.9430,  
13.4010

■ 176.7640, -4.9070,  
6.3330

# Harmonies

## Analogous

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



67.0820, -92.4380, 34.2980



30.3740, -45.2650, 65.9590



60.9650, 54.0890, 71.5370

# Triad

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



30.3740, -45.2650, 65.9590



42.9130, 66.7530, 18.2170



55.5100, -46.0750, -18.5150

# Complementary

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



30.3740, -45.2650, 65.9590



162.6260, 45.2650, -65.9590

# 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.



45.7860, -21.4500, -40.7940



30.3740, -45.2650, 65.9590



51.9530, 15.4090, -20.4550

# Square

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



30.3740, -45.2650, 65.9590



48.4380, 96.5520, 34.3440



43.4380, -20.3500, -38.7020



66.5050, -72.9010, 5.1070



# Rectangle

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



30.3740, -45.2650, 65.9590



61.2020, 83.6180, 59.5060



43.4380, -20.3500, -38.7020



51.6170, -36.4910, -27.0110

# Sweetspot

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



30.3740, -45.2650, 65.9590



186.8390, -17.5190, 25.6570



120.0310, -107.8780, -27.3180



87.2230, -10.2730, 15.4790



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



30.3740, -45.2650, 65.9590



39.2640, -58.7940, 85.3820



58.4800, 10.7590, 85.8870



88.7380, -2.0180, 3.5340



25.2310, -37.9730, 54.9470



5.2570, -7.6130, 11.3230



# Inverse Universe

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



76.5170, 62.0630, 92.2310



99.1460, 80.3060, 119.5540



134.5200, -10.7590, -85.8870



90.9020, 3.3920, 4.6080



63.7570, 51.9790, 76.7390

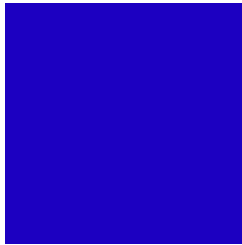


13.0590, 10.6800, 15.7040



# Previews

## White Background



This preview shows how the YIQ color 30.3740, -45.2650, 65.9590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

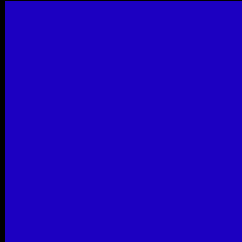
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 30.3740, -45.2650, 65.9590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

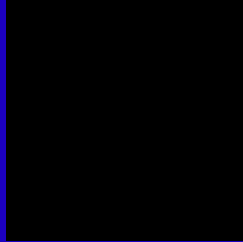
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 30.3740, -45.2650, 65.9590

## Background



This preview shows how black text looks on a background with the YIQ color 30.3740, -45.2650, 65.9590.



This preview shows how white text looks on a background with the YIQ color 30.3740, -45.2650,



# 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

30.3740, -45.2650, 65.9590

### Protanopia

47.1390, -54.1950, 7.5090

### Deuteranopia

47.4350, -49.5170, -0.1810



## Tritanopia

46.6080, -40.2990, -13.0590

# Trichromacy



## Original Color

30.3740, -45.2650, 65.9590

## Protanomaly

40.8800, -51.1270, 29.0090

## Deuteranomaly

41.2730, -48.1000, 23.7080

## Tritanomaly

40.6400, -42.1840, 15.6080

# Monochromacy



## Original Color

30.3740, -45.2650, 65.9590

## Achromatopsia

30.0000, -0.0000, -0.0000

## Achromatomaly

29.9700, -16.5100, 23.8900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 30.3740, -45.2650, 65.9590 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(28, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(28, 0, 193)  
}
```

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(28, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 0, 193) }
```

## Border

The CSS property to change the border of an element to YIQ 30.3740, -45.2650, 65.9590 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(28, 0, 193) }
```



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

```
.border{ border-color:rgb(28, 0, 193) }
```

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

Here you see how a box with a 4 pixel rgb(28, 0, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(28, 0, 193)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 30.3740, -45.2650, 65.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 0, 193) }
```

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

```
.background{ background-color: rgb(28, 0,  
193) }
```

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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