

Converting Colors

YIQ(61.7750, -20.6350, 16.0450)

Have a look what the booklet for
YIQ(61.7750, -20.6350, 16.0450)
contains.

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Color

**YIQ(61.7750, -20.6350,
16.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	343970
RGB	52, 57, 112
RGB Percent	20%, 22%, 44%
CMY	0.7960, 0.7765, 0.5609
CMYK	0.54, 0.49, 0.00, 0.56
HSL	235°, 37%, 32%
HSV	235°, 54%, 44%
XYZ	5.8026, 4.8258, 15.9456
YIQ	61.7750, -20.6350, 16.0450

Conversions

Conversions Part 2

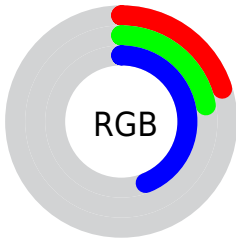
Format	Color
R_{YB}	52, 57, 112
Decimal	3422576
CIE _{Lab}	26.23, 14.84, -32.61
CIE _{LCh}	26, 35.824, 294.473
Yxy	4.8258, 0.2184, 0.1816
Android (android.graphics.Color)	4281612656 (0xFF343970)
YUV	61.7750, 24.7609, -8.5727
Hunter-Lab	21.9678, 8.7053, -27.6590




Details

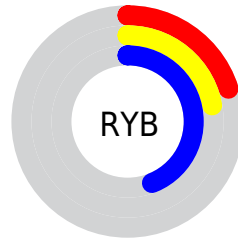
The YIQ color **61.7750, -20.6350, 16.0450** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **102.2250, 20.6350, -16.0450**, and the grayscale version is **62.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **110.5410, -19.8560, 18.4480**, and **16.1010, -24.6690, 12.0590** is the 20% darker color. If you saturate the color by 10%, you get **52.6160, -24.4410, 18.9430**, and if you desaturate by 10%, it is **70.9340, -16.8290, 13.1470**.

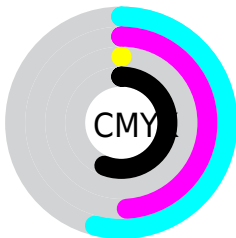
Distribution







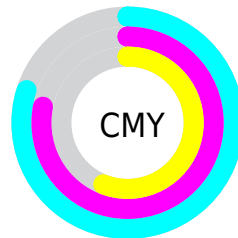
-  Red (20%)
-  Green (22%)
-  Blue (44%)






-  Red (20%)
-  Yellow (22%)
-  Blue (44%)



-  Cyan (54%)
-  Magenta (49%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (80%)
-  Magenta (78%)
-  Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 61.7750, -20.6350, 16.0450 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 61.7750, -20.6350, 16.0450 by changing the saturation by 10% instead.

■ 61.7750, -20.6350,
16.0450

■ 61.7750, -20.6350,
16.0450

■ 255.0000, -0.0000,
-0.0000

■ 38.8240, -22.3310,
13.7410

■ 110.5410,
-19.8560, 18.4480

■ 16.1010, -24.6690,
12.0590

■ 136.0680,
-19.9020, 19.2820

■ 6.4350, -13.9860,
11.1820

■ 162.5950,
-19.9480, 20.1160

■ 2.7530, -6.3740,
5.3860

■ 190.1220,
-19.9940, 20.9500

■ 0.0000, 0.0000,
0.0000

■ 215.1410,
-12.9780, 14.9420

■ 240.8350, -3.6690,

5.9230

■ 61.7750, -20.6350,
16.0450

■ 61.7750, -20.6350,
16.0450

■ 52.6160, -24.4410,
18.9430

■ 70.9340, -16.8290,
13.1470

■ 42.8700, -27.9720,
22.3640

■ 80.6800, -13.2980,
9.7260

■ 33.4120, -32.3740,
25.0500

■ 90.1380, -8.8960,
7.0400

■ 24.2530, -36.1800,
27.9480

■ 99.2970, -5.0900,
4.1420

■ 18.0510, -38.4270,
30.1250

■ 108.4560, -1.2840,
1.2440

■ 118.2020, 2.2470,
-2.1770

■ 127.3610, 6.0530,
-5.0750

■ 136.8190, 10.4550,
-7.7610

■ 145.9780, 14.2610,
-10.6590

Harmonies

Analogous

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



52.5530, -55.6610, 1.0350



61.7750, -20.6350, 16.0450



64.0410, 11.0910, 24.7790

Triad

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



61.7750, -20.6350, 16.0450



59.7150, 40.3470, 1.1710



49.8220, -38.3260, -21.2860

Complementary

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



61.7750, -20.6350, 16.0450



102.2250, 20.6350, -16.0450

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.



49.6420, -20.4440, -25.9800



61.7750, -20.6350, 16.0450



58.5530, 31.4550, -13.8970

Square

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



61.7750, -20.6350, 16.0450



59.2830, 42.2240, 16.7200



56.0450, 12.1540, -22.0380



53.6010, -47.5890, -13.1010

Rectangle

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



61.7750, -20.6350, 16.0450



61.5930, 27.0920, 26.6440



56.0450, 12.1540, -22.0380



48.7960, -35.4370, -24.0850

Sweetspot

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



61.7750, -20.6350, 16.0450



125.7960, -7.9330, 6.1070



93.4900, -34.1550, -14.2750



62.1830, -4.7690, 3.8310



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



61.7750, -20.6350, 16.0450



67.2980, -32.0530, 24.7390



66.3150, -4.3600, 23.9600



51.2710, -2.2010, 1.3430



19.5500, -41.2700, 32.0900



40.4850, -85.0620, 65.8340

Inverse Universe

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



70.5100, 34.1550, 14.2750



80.7190, 52.8600, 22.2040



97.6850, 4.3600, -23.9600



51.9080, 3.2550, 1.5830



37.0200, 68.3100, 28.5500



76.2470, 140.4710, 58.8950

Previews

White Background



This preview shows how the YIQ color 61.7750, -20.6350, 16.0450 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 61.7750, -20.6350, 16.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

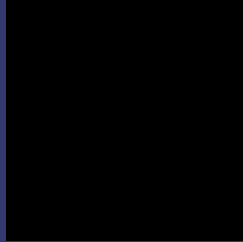
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 61.7750, -20.6350, 16.0450

Background



This preview shows how black text looks on a background with the YIQ color 61.7750, -20.6350, 16.0450.



This preview shows how white text looks on a background with the YIQ color 61.7750, -20.6350,

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

61.7750, -20.6350, 16.0450

Protanopia

58.1970, -33.7470, 11.3810

Deuteranopia

54.4190, -43.4200, 4.9640



Tritanopia

58.8990, -18.8890, -4.5930

Trichromacy



Original Color

61.7750, -20.6350, 16.0450

Protanomaly

59.5890, -28.9790, 13.0770

Deuteranomaly

57.1320, -35.1220, 8.7660

Tritanomaly

59.7560, -19.6240, 3.2240

Monochromacy



Original Color

61.7750, -20.6350, 16.0450

Achromatopsia

62.0000, -0.0000, -0.0000

Achromatomaly

61.6820, -7.6120, 5.7960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 61.7750, -20.6350, 16.0450 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(52, 57, 112)` looks like.

```
.text, #text, p{  
    color:rgb(52, 57, 112)  
}
```

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(52, 57, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 57, 112) }
```

Border

The CSS property to change the border of an element to YIQ 61.7750, -20.6350, 16.0450 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(52, 57, 112) }
```


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

```
.border{ border-color:rgb(52, 57, 112) }
```

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

Here you see how a box with a 4 pixel rgb(52, 57, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 57, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 57, 112);  
box-shadow:4px 4px 4px 4px rgb(52, 57,  
112) }
```

Background

The CSS property to change the background color of an element to YIQ 61.7750, -20.6350, 16.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 57, 112) }
```

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

```
.background{ background-color: rgb(52, 57,  
112) }
```

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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