

Converting Colors

YIQ(63.5650, -20.4040, 6.3480)

Have a look what the booklet for
YIQ(63.5650, -20.4040, 6.3480)
contains.

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Color

**YIQ(63.5650, -20.4040,
6.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	304161
RGB	48, 65, 97
RGB Percent	19%, 25%, 38%
CMY	0.8118, 0.7451, 0.6197
CMYK	0.51, 0.33, 0.00, 0.62
HSL	219°, 34%, 28%
HSV	219°, 51%, 38%
XYZ	5.2658, 5.2722, 12.0428
YIQ	63.5650, -20.4040, 6.3480

Conversions

Conversions Part 2

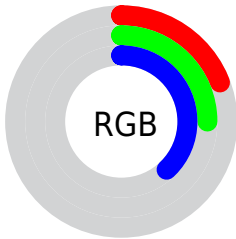
Format	Color
RYB	48, 61, 97
Decimal	3162465
CIELab	27.50, 3.12, -21.01
CIELCh	27, 21.240, 278.458
Yxy	5.2722, 0.2332, 0.2335
Android (android.graphics.Color)	4281352545 (0xFF304161)
YUV	63.5650, 16.4835, -13.6505
Hunter-Lab	22.9614, 0.7536, -15.0235

Details

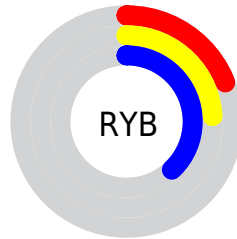
The YIQ color **63.5650, -20.4040, 6.3480** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **81.4350, 20.4040, -6.3480**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.2060, -20.7710, 7.4930**, and **19.2010, -22.3750, 3.5210** is the 20% darker color. If you saturate the color by 10%, you get **57.0530, -24.7140, 7.3660**, and if you desaturate by 10%, it is **70.0770, -16.0940, 5.3300**.

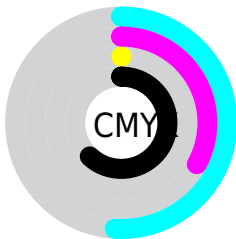
Distribution



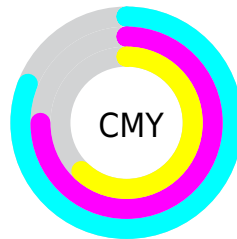
- Red (19%)
- Green (25%)
- Blue (38%)



- Red (19%)
- Yellow (24%)
- Blue (38%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (62%)



- Cyan (81%)
- Magenta (75%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.5650, -20.4040, 6.3480 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 63.5650, -20.4040, 6.3480 by changing the saturation by 10% instead.

■ 63.5650, -20.4040,
6.3480

■ 63.5650, -20.4040,
6.3480

■ 255.0000, -0.0000,
-0.0000

■ 40.7390, -20.9540,
5.3020

■ 112.2060,
-20.7710, 7.4930

■ 19.2010, -22.3750,
3.5210

■ 137.6190,
-20.4960, 8.0160

■ 4.4800, -9.8590,
7.9730

■ 163.8470,
-21.1380, 8.6380

■ 0.0000, 0.0000,
0.0000

■ 190.9610,
-21.4590, 8.9490

■ 218.6190,
-20.4960, 8.0160

■ 244.0140,

-11.7830, -1.2150

■ 63.5650, -20.4040,
6.3480

■ 63.5650, -20.4040,
6.3480

■ 57.0530, -24.7140,
7.3660

■ 70.0770, -16.0940,
5.3300

■ 50.2530, -28.1530,
9.1190

■ 76.8770, -12.6550,
3.5770

■ 43.7410, -32.4630,
10.1370

■ 83.3890, -8.3450,
2.5590

■ 37.2290, -36.7730,
11.1550

■ 89.9010, -4.0350,
1.5410

■ 31.0160, -40.4870,
12.3850

■ 96.7010, -0.5960,
-0.2120

■ 103.2130, 3.7140,
-1.2300

■ 109.7250, 8.0240,
-2.2480

■ 116.8240, 12.0590,
-3.7890

■ 123.0370, 15.7730,
-5.0190

Harmonies

Analogous

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



55.8070, -41.9970, -4.3090



63.5650, -20.4040, 6.3480



66.7200, -1.6070, 12.6090

Triad

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



63.5650, -20.4040, 6.3480



65.5210, 26.4540, 5.1580



58.3470, -17.6950, -15.2230

Complementary

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



63.5650, -20.4040, 6.3480



81.4350, 20.4040, -6.3480

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.



61.3830, -0.1810, -13.2450



63.5650, -20.4040, 6.3480



64.6250, 22.9250, -2.4750

Square

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



63.5650, -20.4040, 6.3480



66.1820, 23.3350, 12.1270



63.0320, 14.1690, -8.9910



51.6030, -41.9030, -17.0310

Rectangle

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



63.5650, -20.4040, 6.3480



67.0480, 9.2130, 14.7570



63.0320, 14.1690, -8.9910



59.5820, -11.0470, -14.5590

Sweetspot

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



63.5650, -20.4040, 6.3480



112.2750, -8.0240, 2.2480



80.4110, -23.7470, -15.6750



55.7160, -4.9520, 1.6400



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



63.5650, -20.4040, 6.3480



72.9260, -31.5460, 10.0380



55.6790, -11.5570, 16.7230



45.0430, -1.5590, 0.7210



35.6610, -46.6770, 14.4350



76.0810, -99.8650, 31.2310

Inverse Universe

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



64.5890, 23.7470, 15.6750



74.6880, 36.9500, 24.1980



89.3210, 11.5570, -16.7230



45.3100, 2.0630, 1.1590



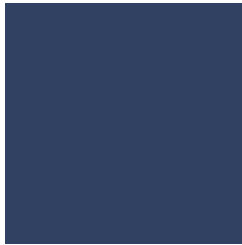
37.9340, 54.2330, 35.8730



81.2220, 116.3970, 76.6930

Previews

White Background



This preview shows how the YIQ color 63.5650, -20.4040, 6.3480 looks on a white background.

Color Contrast Check

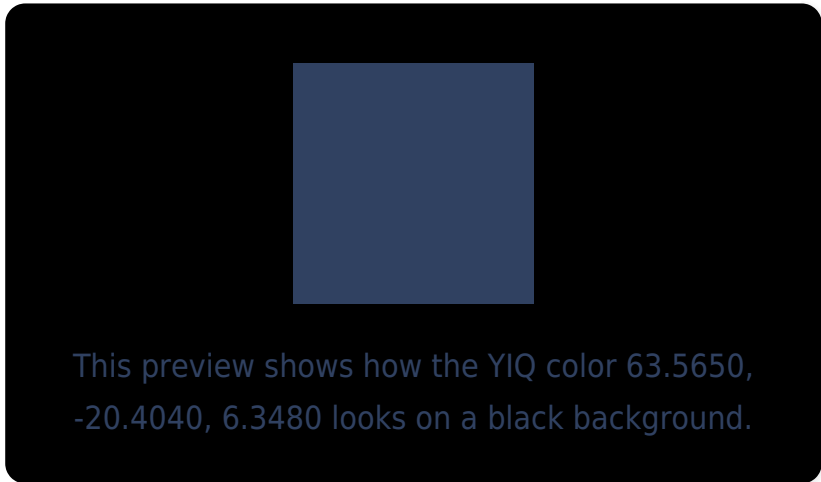
Large Text (above 18pt) WCAG AA ✓ Pass

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

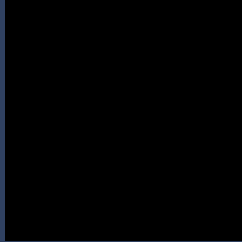
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.5650, -20.4040, 6.3480

Background



This preview shows how black text looks on a background with the YIQ color 63.5650, -20.4040, 6.3480.



This preview shows how white text looks on a background with the YIQ color 63.5650, -20.4040,

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

63.5650, -20.4040, 6.3480

Protanopia

64.6580, -16.2320, 7.8320

Deuteranopia

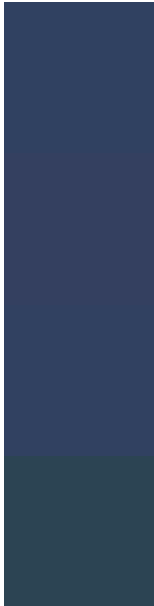
64.1630, -19.2120, 6.7720



Tritanopia

61.3120, -18.6140, -4.0700

Trichromacy



Original Color

63.5650, -20.4040, 6.3480

Protanomaly

64.0600, -17.4240, 7.4080

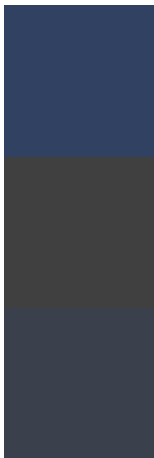
Deuteranomaly

63.8640, -19.8080, 6.5600

Tritanomaly

62.5340, -19.1190, -0.4230

Monochromacy



Original Color

63.5650, -20.4040, 6.3480

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

63.5740, -7.4280, 2.4600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.5650, -20.4040, 6.3480 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(48, 65, 97)` looks like.

```
.text, #text, p{  
    color:rgb(48, 65, 97)  
}
```

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(48, 65, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 65, 97) }
```

Border

The CSS property to change the border of an element to YIQ 63.5650, -20.4040, 6.3480 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(48, 65, 97) }
```


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

```
.border{ border-color:rgb(48, 65, 97) }
```

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

Here you see how a box with a 4 pixel rgb(48, 65, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 65, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 65, 97);  
box-shadow:4px 4px 4px 4px rgb(48, 65, 97)  
}
```

Background

The CSS property to change the background color of an element to YIQ 63.5650, -20.4040, 6.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 65, 97) }
```

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

```
.background{ background-color: rgb(48, 65,  
97) }
```

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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