

Converting Colors

YIQ(63.4840, -68.4080, 6.2800)

Have a look what the booklet for
YIQ(63.4840, -68.4080, 6.2800)
contains.

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Color

**YIQ(63.4840, -68.4080,
6.2800)**

Conversions

Conversions Part 1

Format	Color
Hex	024E96
RGB	2, 78, 150
RGB Percent	1%, 31%, 59%
CMY	0.9922, 0.6940, 0.4121
CMYK	0.99, 0.48, 0.00, 0.41
HSL	209°, 97%, 30%
HSV	209°, 99%, 59%
XYZ	8.2496, 7.6654, 29.8637
YIQ	63.4840, -68.4080, 6.2800

Conversions

Conversions Part 2

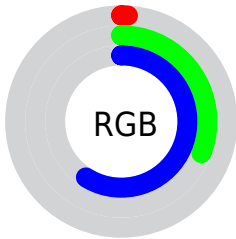
Format	Color
R_{YB}	2, 52, 150
Decimal	151190
CIE Lab	33.28, 8.98, -44.99
CIE LCh	33, 45.874, 281.291
Yxy	7.6654, 0.1802, 0.1674
Android (android.graphics.Color)	4278341270 (0xFF024E96)
YUV	63.4840, 42.6524, -53.9215
Hunter-Lab	27.6864, 4.7357, -44.5723

Details

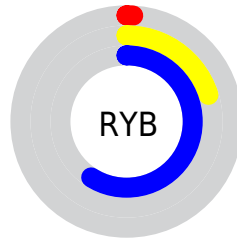
The YIQ color **63.4840, -68.4080, 6.2800** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **88.5160, 68.4080, -6.2800**, and the grayscale version is **63.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.4480, -50.3910, 15.6650**, and **31.7170, -41.0830, 12.1730** is the 20% darker color. If you saturate the color by 10%, you get **62.2990, -69.3250, 6.3790**, and if you desaturate by 10%, it is **72.0780, -61.3930, 5.7990**.

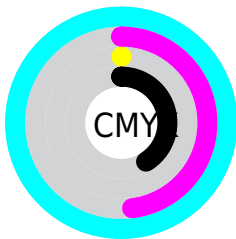
Distribution



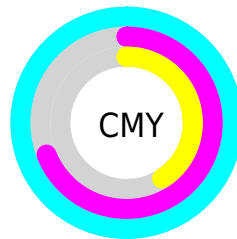
- Red (1%)
- Green (31%)
- Blue (59%)



- Red (1%)
- Yellow (20%)
- Blue (59%)



- Cyan (99%)
- Magenta (48%)
- Yellow (0%)
- Black (41%)



- Cyan (99%)
- Magenta (69%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.4840, -68.4080, 6.2800 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 63.4840, -68.4080, 6.2800 by changing the saturation by 10% instead.

■ 63.4840, -68.4080,
6.2800

■ 63.4840, -68.4080,
6.2800

■ 255.0000, -0.0000,
-0.0000

■ 47.0080, -55.2040,
9.2760

■ 122.4480,
-50.3910, 15.6650

■ 31.7170, -41.0830,
12.1730

■ 149.5730,
-49.2450, 16.9230

■ 16.0670, -27.3290,
16.2150

■ 176.6010,
-46.4480, 15.7920

■ 8.1620, -17.4710,
13.7690

■ 201.1210,
-36.5890, 7.8190

■ 4.4800, -9.8590,
7.9730

■ 226.2280,
-27.0050, -0.6770

■ 0.0000, 0.0000,
0.0000

■ 247.5250,

-14.9000, -5.3000

■ 63.4840, -68.4080,
6.2800

■ 63.4840, -68.4080,
6.2800

■ 62.2990, -69.3250,
6.3790

■ 72.0780, -61.3930,
5.7990

■ 81.2590, -54.6530,
4.7950

■ 89.8530, -47.6380,
4.3140

■ 98.4470, -40.6230,
3.8330

■ 107.0410,
-33.6080, 3.3520

■ 116.2220,
-26.8680, 2.3480

■ 124.8160,
-19.8530, 1.8670

■ 133.4100,
-12.8380, 1.3860

■ 142.5910, -6.0980,
0.3820

Harmonies

Analogous

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



69.0010, -71.6620, -0.8300



63.4840, -68.4080, 6.2800



80.5590, -1.9310, 29.5010

Triad

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



63.4840, -68.4080, 6.2800



74.5370, 55.8880, 11.3760



60.7470, -42.9090, -31.8450

Complementary

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



63.4840, -68.4080, 6.2800



88.5160, 68.4080, -6.2800

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.



66.4400, -5.4960, -32.5680



63.4840, -68.4080, 6.2800



73.7030, 48.6480, -11.6080

Square

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



63.4840, -68.4080, 6.2800



72.8750, 52.7210, 30.2330



72.0650, 26.5970, -24.9790



66.1390, -55.3360, -21.3840

Rectangle

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



63.4840, -68.4080, 6.2800



79.1230, 22.9640, 35.3800



72.0650, 26.5970, -24.9790



58.6780, -38.4610, -35.3650

Sweetspot

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



63.4840, -68.4080, 6.2800



160.2220, -26.8680, 2.3480



96.9700, -63.4910, -55.3230



76.5560, -16.1850, 1.4710



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000

Same Dimension

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



63.4840, -68.4080, 6.2800



80.8160, -89.7740, 8.0340



20.0460, -48.0580, 44.9820



69.5590, -3.0720, 0.6080



57.4090, -63.8230, 5.7850



4.0750, -4.5850, 0.4950

Inverse Universe

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



54.9160, 63.8120, 55.0120



69.4060, 83.5240, 72.2280



131.3670, 48.3330, -44.4590



69.4350, 3.2090, 2.4170



49.3560, 59.4570, 51.3370



3.5600, 4.3550, 3.6750

Previews

White Background



This preview shows how the YIQ color 63.4840, -68.4080, 6.2800 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 63.4840, -68.4080, 6.2800 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 63.4840, -68.4080, 6.2800

Background



This preview shows how black text looks on a background with the YIQ color 63.4840, -68.4080, 6.2800.



This preview shows how white text looks on a background with the YIQ color 63.4840, -68.4080,

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

63.4840, -68.4080, 6.2800

Protanopia

73.1450, -45.1640, 14.5480

Tritanopia

61.6710, -53.7780, -16.5780

Trichromacy



Original Color

63.4840, -68.4080, 6.2800

Protanomaly

69.9590, -53.5080, 11.5800

Tritanomaly

62.6030, -59.0980, -8.2660

Monochromacy



Original Color

63.4840, -68.4080, 6.2800

Achromatopsia

63.0000, 0.0000, 0.0000

Achromatomaly

63.0050, -24.7590, 2.6730

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.4840, -68.4080, 6.2800 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(2, 78, 150)` looks like.

```
.text, #text, p{  
    color:rgb(2, 78, 150)  
}
```

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(2, 78, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 78, 150) }
```

Border

The CSS property to change the border of an element to YIQ 63.4840, -68.4080, 6.2800 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(2, 78, 150) }
```

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

```
.border{ border-color:rgb(2, 78, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 78, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 78, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 78, 150);  
box-shadow:4px 4px 4px 4px rgb(2, 78, 150)  
}
```


Background

The CSS property to change the background color of an element to YIQ 63.4840, -68.4080, 6.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 78, 150) }
```

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

```
.background{ background-color: rgb(2, 78,  
150) }
```

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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