

Converting Colors

YIQ(77.6070, -29.3900, 4.0020)

Have a look what the booklet for
YIQ(77.6070, -29.3900, 4.0020)
contains.

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Color

**YIQ(77.6070, -29.3900,
4.0020)**

Conversions

Conversions Part 1

Format	Color
Hex	345375
RGB	52, 83, 117
RGB Percent	20%, 33%, 46%
CMY	0.7961, 0.6745, 0.5413
CMYK	0.56, 0.29, 0.00, 0.54
HSL	211°, 38%, 33%
HSV	211°, 56%, 46%
XYZ	7.7185, 8.2017, 17.9947
YIQ	77.6070, -29.3900, 4.0020

Conversions

Conversions Part 2

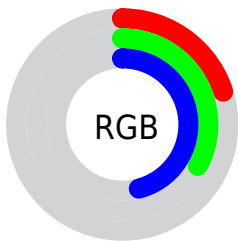
Format	Color
RYB	52, 73, 117
Decimal	3429237
CIELab	34.40, -0.72, -22.86
CIElCh	34, 22.871, 268.202
Yxy	8.2017, 0.2276, 0.2418
Android (android.graphics.Color)	4281619317 (0xFF345375)
YUV	77.6070, 19.4207, -22.4573
Hunter-Lab	28.6387, -2.0096, -17.2069

Details

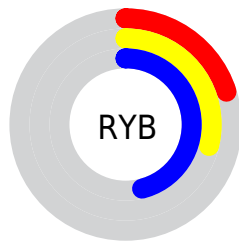
The YIQ color **77.6070, -29.3900, 4.0020** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **91.3930, 29.3900, -4.0020**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **127.5470, -29.1610, 5.3590**, and **30.7590, -32.8740, 1.0620** is the 20% darker color. If you saturate the color by 10%, you get **70.4970, -34.8920, 4.5960**, and if you desaturate by 10%, it is **84.7170, -23.8880, 3.4080**.

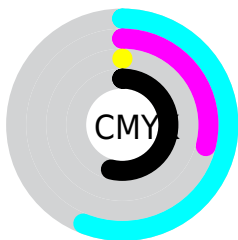
Distribution



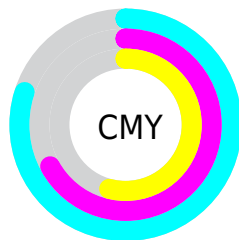
- Red (20%)
- Green (33%)
- Blue (46%)



- Red (20%)
- Yellow (29%)
- Blue (46%)



- Cyan (56%)
- Magenta (29%)
- Yellow (0%)
- Black (54%)



- Cyan (80%)
- Magenta (67%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.6070, -29.3900, 4.0020 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 77.6070, -29.3900, 4.0020 by changing the saturation by 10% instead.

■ 77.6070, -29.3900,
4.0020

■ 77.6070, -29.3900,
4.0020

■ 255.0000, -0.0000,
-0.0000

■ 53.1830, -31.1320,
2.5320

■ 127.5470,
-29.1610, 5.3590

■ 30.6450, -32.5530,
0.7510

■ 154.0740,
-29.2070, 6.1930

■ 15.8100, -19.7160,
4.8920

■ 180.8890,
-30.1240, 6.2920

■ 3.4370, -8.3000,
7.2520

■ 208.8890,
-30.1240, 6.2920

■ 0.0000, 0.0000,
0.0000

■ 233.9250,
-21.7780, -1.7940

■ 250.8140, -8.3440,

-2.9680

■ 77.6070, -29.3900,
4.0020

■ 77.6070, -29.3900,
4.0020

■ 70.4970, -34.8920,
4.5960

■ 84.7170, -23.8880,
3.4080

■ 63.6860, -39.7980,
5.4020

■ 91.5280, -18.9820,
2.6020

■ 56.5760, -45.3000,
5.9960

■ 98.6380, -13.4800,
2.0080

■ 49.4660, -50.8020,
6.5900

■ 105.7480, -7.9780,
1.4140

■ 46.2100, -52.9570,
7.0990

■ 113.1460, -3.3470,
0.0850

■ 120.2560, 2.1550,
-0.5090

■ 127.3660, 7.6570,
-1.1030

■ 134.4760, 13.1590,
-1.6970

■ 141.2870, 18.0650,
-2.5030

Harmonies

Analogous

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



69.0940, -50.2950, -8.1110



77.6070, -29.3900, 4.0020



82.3000, -9.1720, 12.0440

Triad

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



77.6070, -29.3900, 4.0020



82.0100, 29.5710, 9.2430



75.0440, -12.4680, -16.3400

Complementary

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



77.6070, -29.3900, 4.0020



91.3930, 29.3900, -4.0020

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.



77.7920, 5.9170, -13.6270



77.6070, -29.3900, 4.0020



80.9570, 27.9220, 0.5780

Square

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



77.6070, -29.3900, 4.0020



82.8770, 22.8760, 14.9400



79.4950, 20.1750, -7.7050



70.2080, -33.4210, -16.5650

Rectangle

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



77.6070, -29.3900, 4.0020



83.2370, 4.3070, 15.5630



79.4950, 20.1750, -7.7050



76.2790, -5.8200, -15.6760

Sweetspot

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



77.6070, -29.3900, 4.0020



137.0080, -11.6460, 1.8100



94.0310, -28.7890, -23.4210



67.5200, -7.3360, 0.7920



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



77.6070, -29.3900, 4.0020



90.5050, -46.5380, 6.4060



59.7090, -20.2690, 20.4270



55.4450, -2.7510, 0.2970



47.9540, -55.1120, 7.6080



98.3530, -112.9750, 15.5130

Inverse Universe

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



74.9690, 28.7890, 23.4210



86.3830, 45.6590, 37.0750



109.2910, 20.2690, -20.4270



55.1360, 2.6130, 2.2050



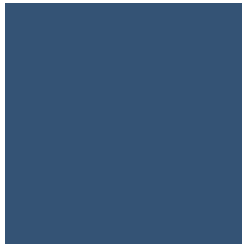
43.0900, 54.0940, 43.9020



88.3160, 110.8010, 90.0090

Previews

White Background



This preview shows how the YIQ color 77.6070, -29.3900, 4.0020 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 77.6070, -29.3900, 4.0020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

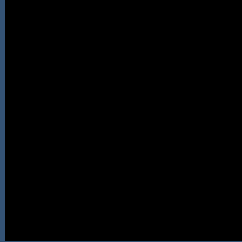
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

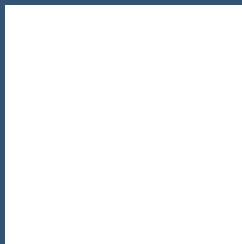
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 77.6070, -29.3900, 4.0020

Background



This preview shows how black text looks on a background with the YIQ color 77.6070, -29.3900, 4.0020.

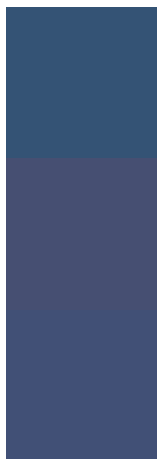


This preview shows how white text looks on a background with the YIQ color 77.6070, -29.3900,

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

77.6070, -29.3900, 4.0020

Protanopia

80.2990, -16.5990, 8.9770

Deuteranopia

79.8470, -21.1380, 8.6380



Tritanopia

74.6420, -28.4710, -7.1510

Trichromacy



Original Color

77.6070, -29.3900, 4.0020

Protanomaly

78.9070, -21.3670, 7.2810

Deuteranomaly

78.9390, -24.3930, 7.0550

Tritanomaly

75.8640, -28.9760, -3.5040

Monochromacy



Original Color

77.6070, -29.3900, 4.0020

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

78.0790, -10.4080, 1.4000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.6070, -29.3900, 4.0020 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, 83, 117)` looks like.

```
.text, #text, p{  
    color:rgb(52, 83, 117)  
}
```

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, 83, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 83, 117) }
```

Border

The CSS property to change the border of an element to YIQ 77.6070, -29.3900, 4.0020 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, 83, 117) }
```


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

```
.border{ border-color:rgb(52, 83, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 83, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 83, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 83, 117);  
box-shadow:4px 4px 4px 4px rgb(52, 83,  
117) }
```

Background

The CSS property to change the background color of an element to YIQ 77.6070, -29.3900, 4.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 83, 117) }
```

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

```
.background{ background-color: rgb(52, 83,  
117) }
```

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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