

Converting Colors

YIQ(37.7020, -69.9760, 56.7440)

Have a look what the booklet for
YIQ(37.7020, -69.9760, 56.7440)
contains.

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Color

**YIQ(37.7020, -69.9760,
56.7440)**

Conversions

Conversions Part 1

Format	Color
Hex	0614D4
RGB	6, 20, 212
RGB Percent	2%, 8%, 83%
CMY	0.9762, 0.9216, 0.1691
CMYK	0.97, 0.91, 0.00, 0.17
HSL	236°, 94%, 43%
HSV	236°, 97%, 83%
XYZ	12.1956, 5.2874, 62.5932
YIQ	37.7020, -69.9760, 56.7440

Conversions

Conversions Part 2

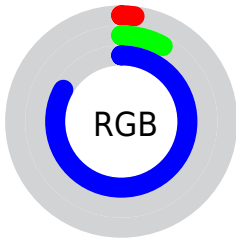
Format	Color
RYB	6, 19, 212
Decimal	398548
CIELab	27.54, 64.52, -91.23
CIELCh	28, 111.743, 305.270
Yxy	5.2874, 0.1523, 0.0660
Android (android.graphics.Color)	4278588628 (0xFF0614D4)
YUV	37.7020, 85.9289, -27.8027
Hunter-Lab	22.9943, 54.4319, -145.2985

Details

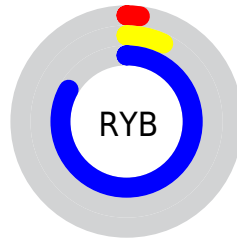
The YIQ color **37.7020, -69.9760, 56.7440** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **180.2980, 69.9760, -56.7440**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **105.0990, -37.2410, 63.7110**, and **17.7840, -50.0760, 48.5160** is the 20% darker color. If you saturate the color by 10%, you get **32.3860, -71.9020, 58.6100**, and if you desaturate by 10%, it is **55.7210, -62.9600, 50.7360**.

Distribution



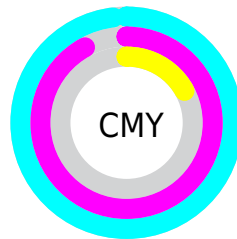
- Red (2%)
- Green (8%)
- Blue (83%)



- Red (2%)
- Yellow (7%)
- Blue (83%)



- Cyan (97%)
- Magenta (91%)
- Yellow (0%)
- Black (17%)



- Cyan (98%)
- Magenta (92%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.7020, -69.9760, 56.7440 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 37.7020, -69.9760, 56.7440 by changing the saturation by 10% instead.

■ 37.7020, -69.9760,
56.7440

■ 37.7020, -69.9760,
56.7440

■ 255.0000, -0.0000,
-0.0000

■ 20.8620, -58.7430,
56.9130

■ 105.0990,
-37.2410, 63.7110

■ 17.6700, -49.7550,
48.2050

■ 130.5270,
-24.1270, 57.3210

■ 14.5920, -41.0880,
39.8080

■ 155.3570,
-12.2050, 50.5070

■ 16.9110, -35.2170,
27.0150

■ 180.7740, -0.5580,
43.1700

■ 14.6480, -27.4670,
18.7170

■ 206.7780, 10.8140,
35.3100


■ 8.9770, -18.3880,
13.8680


■ 227.9980, 12.6500,


■ 4.7080, -10.5010,


24.0580


8.5950


 245.0210, 4.6750,
8.8910


 0.2280, -0.6420,
0.6220


 0.0000, 0.0000,
0.0000


 37.7020, -69.9760,
56.7440


 37.7020, -69.9760,
56.7440

 32.3860, -71.9020,
58.6100

 55.7210, -62.9600,
50.7360

 73.7400, -55.9440,
44.7280

 91.4710, -48.0570,
39.4550

 109.4900,
-41.0410, 33.4470

■ 127.5090,
-34.0250, 27.4390

■ 145.5280,
-27.0090, 21.4310

■ 162.9600,
-19.7180, 15.9460

■ 181.2780,
-12.1060, 10.1500

■ 199.2970, -5.0900,
4.1420

Harmonies

Analogous

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



74.4170, -100.6910, 35.1890



37.7020, -69.9760, 56.7440



66.0780, 55.5090, 78.8450

Triad

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



37.7020, -69.9760, 56.7440



47.9850, 75.4180, 20.8740



61.2490, -49.8340, -21.9780

Complementary

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



37.7020, -69.9760, 56.7440



180.2980, 69.9760, -56.7440

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.



51.0690, -23.9250, -45.5010



37.7020, -69.9760, 56.7440



59.9490, 21.2320, -21.3600

Square

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



37.7020, -69.9760, 56.7440



53.5210, 106.6840, 37.9480



48.1340, -22.5500, -42.8860



72.9280, -78.5860, 3.5100

Rectangle

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



37.7020, -69.9760, 56.7440



67.4680, 88.9810, 66.9410



48.1340, -22.5500, -42.8860



57.8290, -40.2040, -31.3080

Sweetspot

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



37.7020, -69.9760, 56.7440



192.3710, -25.1290, 20.3990



148.4680, -117.3190, -48.9590



89.8910, -15.2700, 12.4260



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



37.7020, -69.9760, 56.7440



39.0490, -86.5300, 70.4140



55.1980, -14.8700, 82.2980



97.8410, -3.8060, 2.8980



26.5380, -58.1910, 46.9050



6.6630, -14.6280, 11.8040

Inverse Universe

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



69.1900, 118.2820, 48.0260



78.1830, 146.5230, 59.3470



162.8020, 14.8700, -82.2980



99.4030, 6.2350, 2.6430



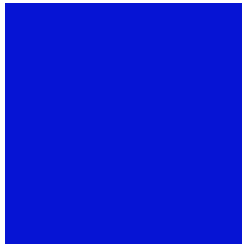
52.4970, 98.0640, 39.9840



13.1990, 24.6650, 10.0490

Previews

White Background



This preview shows how the YIQ color 37.7020, -69.9760, 56.7440 looks on a white background.

Color Contrast Check

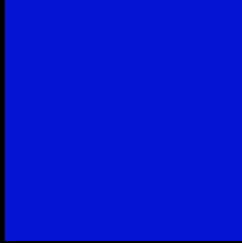
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7020, -69.9760, 56.7440 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 37.7020, -69.9760, 56.7440

Background



This preview shows how black text looks on a background with the YIQ color 37.7020, -69.9760, 56.7440.



This preview shows how white text looks on a background with the YIQ color 37.7020, -69.9760,

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

37.7020, -69.9760, 56.7440

Protanopia

52.1430, -60.0180, 8.4140

Deuteranopia

52.7980, -54.9730, -0.4210



Tritanopia

51.5150, -44.4710, -14.5430

Trichromacy



Original Color

37.7020, -69.9760, 56.7440

Protanomaly

46.6550, -63.7350, 26.2250

Deuteranomaly

47.5210, -60.6620, 20.0900

Tritanomaly

46.5460, -53.7830, 11.0570

Monochromacy



Original Color

37.7020, -69.9760, 56.7440

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.4850, -25.4500, 20.7100

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.7020, -69.9760, 56.7440 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(6, 20, 212)` looks like.

```
.text, #text, p{  
    color:rgb(6, 20, 212)  
}
```

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(6, 20, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 20, 212) }
```

Border

The CSS property to change the border of an element to YIQ 37.7020, -69.9760, 56.7440 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(6, 20, 212) }
```


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

```
.border{ border-color:rgb(6, 20, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 20, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 20, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 20, 212);  
box-shadow:4px 4px 4px 4px rgb(6, 20, 212)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.7020, -69.9760, 56.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 20, 212) }
```

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

```
.background{ background-color: rgb(6, 20,  
212) }
```

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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