

Converting Colors

YIQ(70.7260, -18.9390, 18.3490)

Have a look what the booklet for
YIQ(70.7260, -18.9390, 18.3490)
contains.

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Color

**YIQ(70.7260, -18.9390,
18.3490)**

Conversions

Conversions Part 1

Format	Color
Hex	40407B
RGB	64, 64, 123
RGB Percent	25%, 25%, 48%
CMY	0.7490, 0.7490, 0.5178
CMYK	0.48, 0.48, 0.00, 0.52
HSL	240°, 32%, 37%
HSV	240°, 48%, 48%
XYZ	7.5216, 6.1864, 19.5264
YIQ	70.7260, -18.9390, 18.3490

Conversions

Conversions Part 2

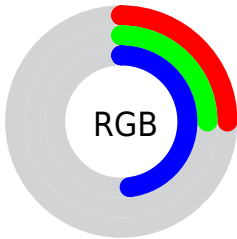
Format	Color
RYB	64, 64, 123
Decimal	4210811
CIELab	29.88, 16.91, -33.68
CIELCh	30, 37.693, 296.663
Yxy	6.1864, 0.2263, 0.1861
Android (android.graphics.Color)	4282400891 (0xFF40407B)
YUV	70.7260, 25.7711, -5.8987
Hunter-Lab	24.8725, 10.4526, -29.1356

Details

The YIQ color $70.7260, -18.9390, 18.3490$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $116.2740, 18.9390, -18.3490$, and the grayscale version is $70.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $120.1930, -18.7560, 20.5400$, and $23.7420, -25.0360, 13.2040$ is the 20% darker color. If you saturate the color by 10%, you get $60.0940, -22.7910, 22.0810$, and if you desaturate by 10%, it is $81.3580, -15.0870, 14.6170$.

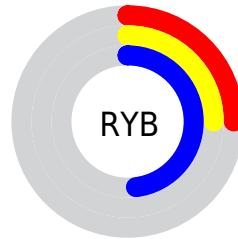
Distribution



Red (25%)

Green (25%)

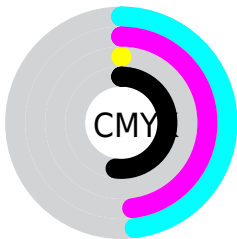
Blue (48%)



Red (25%)

Yellow (25%)

Blue (48%)

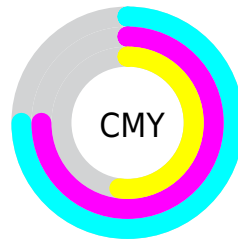


Cyan (48%)

Magenta (48%)

Yellow (0%)

Black (52%)



Cyan (75%)

Magenta (75%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.7260, -18.9390, 18.3490 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 70.7260, -18.9390, 18.3490 by changing the saturation by 10% instead.

■ 70.7260, -18.9390,
18.3490

■ 70.7260, -18.9390,
18.3490

■ 255.0000, -0.0000,
-0.0000

■ 47.1880, -20.3600,
16.5680

■ 120.1930,
-18.7560, 20.5400

■ 24.0410, -24.4400,
13.4160

■ 146.1330,
-18.5270, 21.8970

■ 5.8140, -16.3710,
15.8610

■ 172.6600,
-18.5730, 22.7310

■ 4.4800, -9.8590,
7.9730

■ 199.5030,
-16.6930, 21.6990

■ 0.0000, 0.0000,
0.0000

■ 224.6100, -7.1090,
13.2030

■ 250.3040, 2.2000,

4.1840

■ 70.7260, -18.9390,
18.3490

■ 70.7260, -18.9390,
18.3490

■ 60.0940, -22.7910,
22.0810

■ 81.3580, -15.0870,
14.6170

■ 48.5760, -26.9640,
26.1240

■ 92.8760, -10.9140,
10.5740

■ 37.9440, -30.8160,
29.8560

■ 103.5080, -7.0620,
6.8420

■ 27.3120, -34.6680,
33.5880

■ 114.1400, -3.2100,
3.1100

■ 16.6800, -38.5200,
37.3200

■ 124.7720, 0.6420,
-0.6220

■ 14.0220, -39.4830,
38.2530

■ 136.2900, 4.8150,
-4.6650

■ 146.9220, 8.6670,
-8.3970

■ 157.5540, 12.5190,
-12.1290

■ 169.0720, 16.6920,
-16.1720

Harmonies

Analogous

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



58.7310, -62.0340, 0.8940



70.7260, -18.9390, 18.3490



72.4760, 14.3000, 27.1960

Triad

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



70.7260, -18.9390, 18.3490



68.1560, 43.4190, 0.5630



56.8320, -44.2860, -23.4060

Complementary

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



70.7260, -18.9390, 18.3490



116.2740, 18.9390, -18.3490

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.



56.1360, -24.8910, -27.9870



70.7260, -18.9390, 18.3490



66.5700, 32.7850, -15.9750

Square

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



70.7260, -18.9390, 18.3490



68.1370, 45.5710, 16.6350



63.5070, 10.7330, -23.8190



60.2520, -53.9160, -14.0760

Rectangle

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



70.7260, -18.9390, 18.3490



70.5010, 30.3470, 28.2270



63.5070, 10.7330, -23.8190



55.1050, -40.8010, -25.9930

Sweetspot

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



70.7260, -18.9390, 18.3490



140.6220, -7.3830, 7.1530



105.3590, -35.1640, -12.5080



69.5960, -4.4940, 4.3540



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



70.7260, -18.9390, 18.3490



77.7160, -30.1740, 29.2340



79.3970, -1.6550, 24.4970



55.6840, -1.9260, 1.8660



14.2500, -40.1250, 38.8750



28.7280, -80.8920, 78.3720

Inverse Universe

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



88.3670, 16.2250, 30.8570



105.8220, 25.8500, 49.1620



107.3040, 1.0590, -24.7090



57.4780, 1.6500, 3.1380



51.6250, 34.3750, 65.3750



104.0760, 69.3000, 131.7960

Previews

White Background



This preview shows how the YIQ color 70.7260, -18.9390, 18.3490 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 70.7260, -18.9390, 18.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

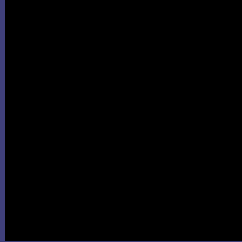
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.7260, -18.9390, 18.3490

Background



This preview shows how black text looks on a background with the YIQ color 70.7260, -18.9390, 18.3490.



This preview shows how white text looks on a background with the YIQ color 70.7260, -18.9390,

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

70.7260, -18.9390, 18.3490

Protanopia

66.9520, -34.4350, 12.8370

Deuteranopia

64.7400, -39.8900, 7.0700



Tritanopia

68.1060, -15.0380, -2.7980

Trichromacy



Original Color

70.7260, -18.9390, 18.3490

Protanomaly

68.6430, -29.0710, 14.7450

Deuteranomaly

66.6810, -32.2340, 11.4940

Tritanomaly

68.7780, -16.6900, 5.1180

Monochromacy



Original Color

70.7260, -18.9390, 18.3490

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

70.5080, -7.0620, 6.8420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.7260, -18.9390, 18.3490 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(64, 64, 123)` looks like.

```
.text, #text, p{  
    color:rgb(64, 64, 123)  
}
```

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(64, 64, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 64, 123) }
```

Border

The CSS property to change the border of an element to YIQ 70.7260, -18.9390, 18.3490 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(64, 64, 123) }
```


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

```
.border{ border-color:rgb(64, 64, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 64, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 64, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 64, 123);  
box-shadow:4px 4px 4px 4px rgb(64, 64,  
123) }
```

Background

The CSS property to change the background color of an element to YIQ 70.7260, -18.9390, 18.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 64, 123) }
```

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

```
.background{ background-color: rgb(64, 64,  
123) }
```

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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