Converting Colors

YIQ(47.5390, 0.8210, 23.6770)

Have a look what the booklet for YIQ(47.5390, 0.8210, 23.6770) contains.

Color

YIQ(47.5390, 0.8210, 23.6770)

Conversions

Conversions Part 1

Format	Color
Hex	3F2057
RGB	63, 32, 87
RGB Percent	25%, 13%, 34%
CMY	0.7528, 0.8746, 0.6589
CMYK	0.28, 0.63, 0.00, 0.66
HSL	274°, 46%, 23%
HSV	274°, 63%, 34%
XYZ	4.2877, 2.7780, 9.3249
YIQ	47.5390, 0.8210, 23.6770

Conversions

Conversions Part 2

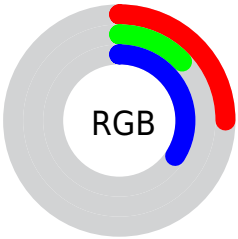
Format	Color
RYB	63, 32, 87
Decimal	4137047
CIELab	19.13, 26.56, -27.59
CIELCh	19, 38.294, 313.917
Yxy	2.7780, 0.2616, 0.1695
Android (android.graphics.Color)	4282327127 (0xFF3F2057)
YUV	47.5390, 19.4543, 13.5593
Hunter-Lab	16.6672, 16.7524, -21.5043

Details

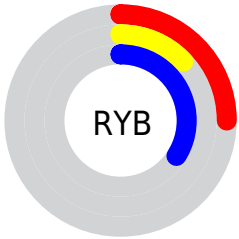
The YIQ color 47.5390, 0.8210, 23.6770 is a dark color, and the websafe version is hex 333366. A complement of this color would be 71.4610, -0.8210, -23.6770, and the grayscale version is 47.0000, 0.0000, 0.0000.

A 20% lighter version of the original color is 95.1910, 1.9210, 25.7690, and 10.9530, -0.6450, 17.2030 is the 20% darker color. If you saturate the color by 10%, you get 41.0600, 0.9120, 27.5360, and if you desaturate by 10%, it is 54.0180, 0.7300, 19.8180.

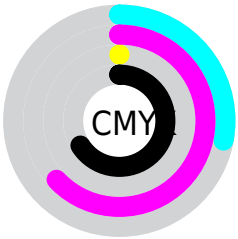
Distribution



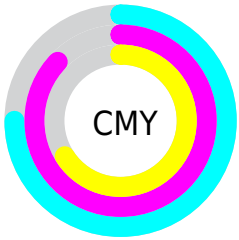
- Red (25%)
- Green (13%)
- Blue (34%)



- Red (25%)
- Yellow (13%)
- Blue (34%)



- Cyan (28%)
- Magenta (63%)
- Yellow (0%)
- Black (66%)



- Cyan (75%)
- Magenta (87%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.5390, 0.8210, 23.6770 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 47.5390, 0.8210, 23.6770 by changing the saturation by 10% instead.

47.5390, 0.8210, 23.6770

47.5390, 0.8210, 23.6770

255.0000, -0.0000, -0.0000

24.7130, 0.2710, 22.6310

95.1910, 1.9210, 25.7690

10.9530, -0.6450, 17.2030

120.1310, 2.1500, 27.1260

2.7530, -6.3740, 5.3860

146.5440, 2.4250, 27.6490

0.0000, 0.0000, 0.0000

173.0710, 2.3790, 28.4830

200.5980, 2.3330, 29.3170

226.5030, 9.6700,

22.9980

244.4340, 4.9500, 9.4140

47.5390, 0.8210, 23.6770

41.0600, 0.9120, 27.5360

35.1680, 0.7280, 30.8720

28.9880, 1.4150, 34.9430

24.5690, 1.2770, 37.4450

47.5390, 0.8210, 23.6770

54.0180, 0.7300, 19.8180

59.9100, 0.9140, 16.4820

66.0900, 0.2270, 12.4110

72.5690, 0.1360, 8.5520

78.4610, 0.3200, 5.2160

84.9400, 0.2290, 1.3570

91.4190, 0.1380, -2.5020

97.5990, -0.5490, -6.5730

103.4910, -0.3650, -9.9090

Harmonies

Analogous

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

38.5160, -45.0710, 7.3530

47.5390, 0.8210, 23.6770

42.8860, 27.8250, 29.8810

Triad

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

47.5390, 0.8210, 23.6770

44.7090, 31.3160, -5.8680

41.3590, -35.1640, -12.5080

Complementary

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

47.5390, 0.8210, 23.6770

71.4610, -0.8210, -23.6770

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.

37.4660, -25.5800, -21.0040

47.5390, 0.8210, 23.6770

42.8160, 14.5370, -15.6630

Square

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

47.5390, 0.8210, 23.6770

41.8450, 43.0970, 6.4010

35.5740, -8.5690, -26.4330

43.7360, -43.2350, -3.8990

Rectangle

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

47.5390, 0.8210, 23.6770

38.9920, 39.1500, 28.3820

35.5740, -8.5690, -26.4330

39.6320, -31.6790, -15.0950

Sweetspot

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

47.5390, 0.8210, 23.6770

96.9820, 0.4110, 9.0750

52.9450, -24.5300, 4.0300

46.5750, -0.0010, 5.5270

184.0000, 0.0000, -0.0000

56.0000, -0.0000, 0.0000

Same Dimension

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

47.5390, 0.8210, 23.6770

51.0420, 1.3230, 36.6110

54.3730, 16.0880, 27.8320

40.0540, -0.0920, 1.6680

30.1380, 1.4130, 45.9970

66.2580, 3.2370, 101.0690

Inverse Universe

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

51.1810, 25.0760, 19.1240

56.6330, 38.7830, 29.5270

64.6270, -16.0880, -27.8320

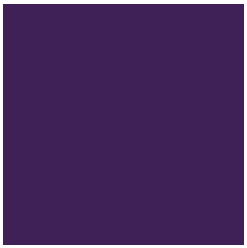
40.4240, 1.7420, 1.4700

37.3510, 48.6850, 37.3010

81.8930, 107.3180, 81.5420

Previews

White Background

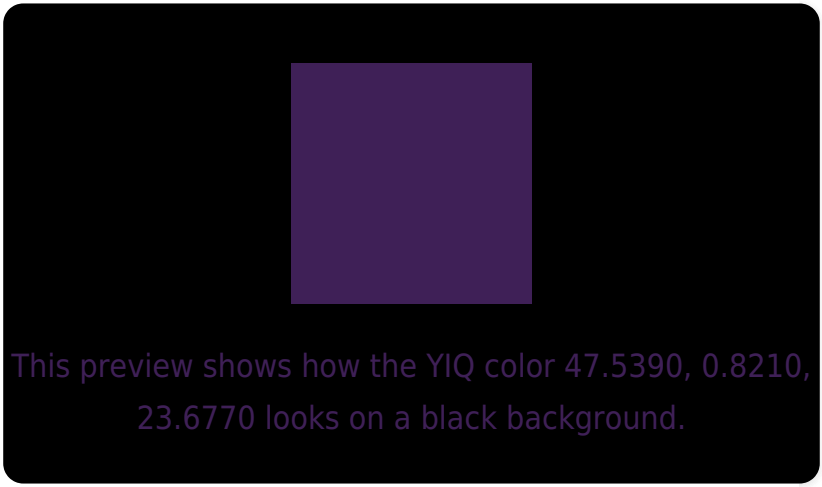


This preview shows how the YIQ color 47.5390, 0.8210, 23.6770 looks on a white background.

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

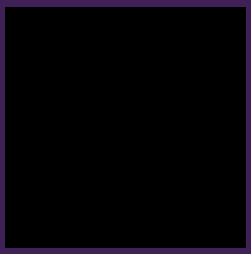


Color Contrast Check

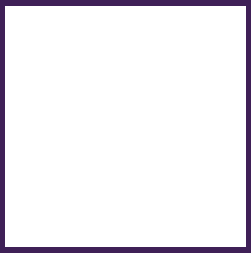
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

YIQ 47.5390, 0.8210, 23.6770 Background



This preview shows how black text looks on a background with the YIQ color 47.5390, 0.8210, 23.6770.



This preview shows how white text looks on a background with the YIQ color 47.5390, 0.8210,

23.6770.

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
47.5390, 0.8210, 23.6770

Protanopia
37.4730, -43.5120, 6.6320

Deuteranopia
41.6390, -32.4160, 3.7760

Tritanopia
47.9300, 6.1890, 3.4770

Trichromacy

Original Color
47.5390, 0.8210, 23.6770

Protanomaly
40.9590, -27.1450, 12.8790

Deuteranomaly
43.6130, -20.3590, 11.0410

Tritanomaly
48.1890, 4.2620, 10.8700

Monochromacy

Original Color
47.5390, 0.8210, 23.6770

Achromatopsia
48.0000, -0.0000, 0.0000

Achromatomaly
47.5690, 0.1360, 8.5520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.5390, 0.8210, 23.6770 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(63, 32, 87) looks like.

```
.text, #text, p{
    color:rgb(63, 32, 87)
}
```

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(63, 32, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 32, 87) }
```

Border

The CSS property to change the border of an element to YIQ 47.5390, 0.8210, 23.6770 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(63, 32, 87) }
```

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

```
.border{ border-color:rgb(63, 32, 87) }
```

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

Here you see how a box with a 4 pixel rgb(63, 32, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 32, 87); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 32, 87); box-shadow:4px 4px 4px 4px rgb(63, 32, 87) }
```

Background

The CSS property to change the background color of an element to YIQ 47.5390, 0.8210, 23.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(63, 32, 87) }
```

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

```
.background{ background-color:rgb(63, 32,
87) }
```

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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