

Converting Colors

YIQ(39.9760, 0.5480, 12.1000)

Have a look what the booklet for
YIQ(39.9760, 0.5480, 12.1000)
contains.

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Color

**YIQ(39.9760, 0.5480,
12.1000)**

Conversions

Conversions Part 1

Format	Color
Hex	30203C
RGB	48, 32, 60
RGB Percent	19%, 13%, 24%
CMY	0.8117, 0.8745, 0.7647
CMYK	0.20, 0.47, 0.00, 0.76
HSL	274°, 30%, 18%
HSV	274°, 47%, 24%
XYZ	2.5514, 1.9876, 4.5234
YIQ	39.9760, 0.5480, 12.1000

Conversions

Conversions Part 2

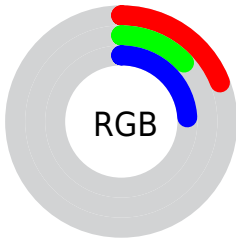
Format	Color
RYB	48, 32, 60
Decimal	3153980
CIELab	15.42, 14.27, -15.09
CIElCh	15, 20.771, 313.397
Yxy	1.9876, 0.2815, 0.2193
Android (android.graphics.Color)	4281344060 (0xFF30203C)
YUV	39.9760, 9.8718, 7.0370
Hunter-Lab	14.0982, 7.6321, -9.1547




Details

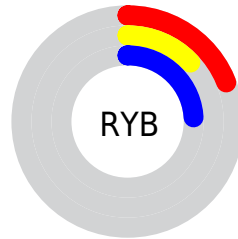
The YIQ color **39.9760, 0.5480, 12.1000** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **52.0240, -0.5480, -12.1000**, and the grayscale version is **40.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **85.2150, 1.3730, 13.6690**, and **2.4110, -5.4110, 4.4530** is the 20% darker color. If you saturate the color by 10%, you get **35.5570, 0.4100, 14.6020**, and if you desaturate by 10%, it is **44.3950, 0.6860, 9.5980**.

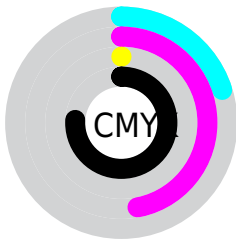
Distribution







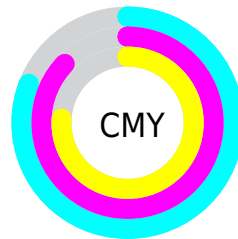
-  Red (19%)
-  Green (13%)
-  Blue (24%)






-  Red (19%)
-  Yellow (13%)
-  Blue (24%)



-  Cyan (20%)
-  Magenta (47%)
-  Yellow (0%)
-  Black (76%)



-  Cyan (81%)
-  Magenta (87%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 39.9760, 0.5480, 12.1000 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 39.9760, 0.5480, 12.1000 by changing the saturation by 10% instead.

■ 39.9760, 0.5480,
12.1000

■ 39.9760, 0.5480,
12.1000

■ 255.0000, -0.0000,
-0.0000

■ 18.2750, 1.1440,
12.3120

■ 85.2150, 1.3730,
13.6690

■ 2.4110, -5.4110,
4.4530

■ 109.7420, 1.3270,
14.5030

■ 0.0000, 0.0000,
0.0000

■ 135.1550, 1.6020,
15.0260

■ 161.2690, 1.2810,
15.3370

■ 188.6820, 1.5560,
15.8600

■ 216.6820, 1.5560,

15.8600

242.6730, 5.7750,
10.9830

39.9760, 0.5480,
12.1000

39.9760, 0.5480,
12.1000

35.5570, 0.4100,
14.6020

44.3950, 0.6860,
9.5980

31.4370, 0.8680,
17.3160

48.5150, 0.2280,
6.8840

27.0180, 0.7300,
19.8180

52.9340, 0.3660,
4.3820

22.8980, 1.1880,
22.5320

57.0540, -0.0920,
1.6680

18.4790, 1.0500,
25.0340

61.4730, 0.0460,
-0.8340

■ 17.0060, 1.0040,
25.8680

■ 65.5930, -0.4120,
-3.5480

■ 70.0120, -0.2740,
-6.0500

■ 74.4310, -0.1360,
-8.5520

■ 78.5510, -0.5940,
-11.2660

Harmonies

Analogous

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



37.4190, -17.0570, 6.2630



39.9760, 0.5480, 12.1000



39.4460, 13.8440, 13.4280

Triad

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



39.9760, 0.5480, 12.1000



37.4890, 20.3120, -4.6800



32.1320, -27.0950, -10.0630

Complementary

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



39.9760, 0.5480, 12.1000



52.0240, -0.5480, -12.1000

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.



29.8350, -22.0050, -14.2050



39.9760, 0.5480, 12.1000



36.3090, 11.8310, -10.6730

Square

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



39.9760, 0.5480, 12.1000



38.0260, 23.4740, 4.0980



34.2410, -2.6570, -12.4250



33.0270, -30.9930, -5.4970

Rectangle

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



39.9760, 0.5480, 12.1000



38.9150, 19.7130, 11.6890



34.2410, -2.6570, -12.4250



31.5620, -25.4900, -11.6180

Sweetspot

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



39.9760, 0.5480, 12.1000



71.0480, 0.0450, 4.6930



42.2360, -12.2880, 2.4320



35.9940, 0.1370, 3.0250



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000

Same Dimension

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



39.9760, 0.5480, 12.1000



47.4910, 0.7760, 18.9840



43.3360, 8.3420, 14.0220



28.6410, -0.3670, 1.1450



26.8620, 2.0100, 40.6820



63.2810, 4.4300, 95.9660

Inverse Universe

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



41.7400, 12.8360, 9.6680



50.3220, 20.1250, 15.2370



48.6640, -8.3420, -14.0220



29.0110, 1.4670, 0.9470



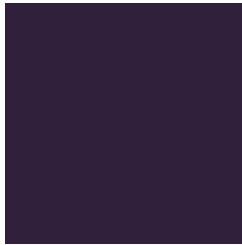
32.6660, 43.1840, 32.3680



77.2080, 101.8170, 76.6090

Previews

White Background



This preview shows how the YIQ color 39.9760, 0.5480, 12.1000 looks on a white background.

Color Contrast Check

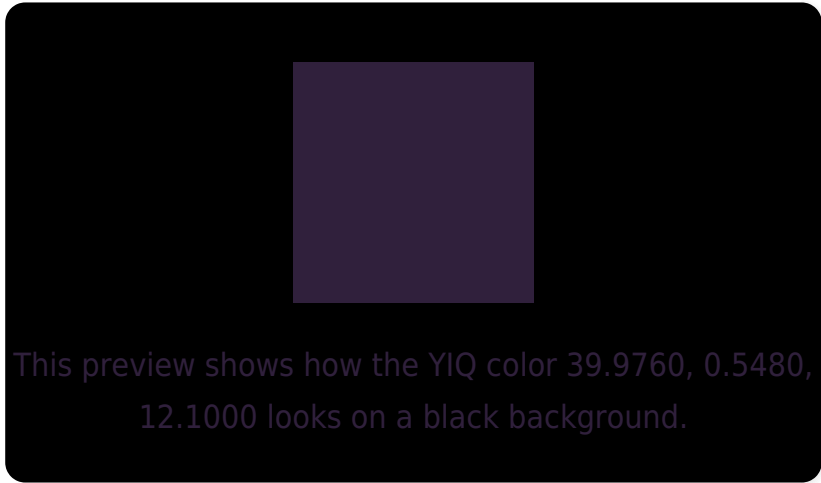
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.9760, 0.5480, 12.1000

Background



This preview shows how black text looks on a background with the YIQ color 39.9760, 0.5480, 12.1000.



This preview shows how white text looks on a background with the YIQ color 39.9760, 0.5480,

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

39.9760, 0.5480, 12.1000

Protanopia

37.7890, -15.2230, 6.0650

Deuteranopia

38.5890, -11.7840, 4.3120



Tritanopia

39.7340, 3.8050, 2.6290

Trichromacy



Original Color

39.9760, 0.5480, 12.1000

Protanomaly

38.7790, -9.2630, 8.1850

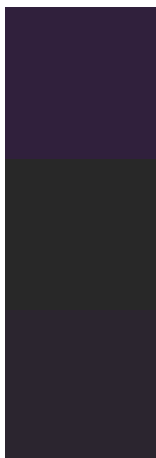
Deuteranomaly

38.9210, -6.7870, 7.3650

Tritanomaly

39.6570, 2.7040, 6.0640

Monochromacy



Original Color

39.9760, 0.5480, 12.1000

Achromatopsia

40.0000, 0.0000, -0.0000

Achromatomaly

39.9340, 0.3660, 4.3820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 39.9760, 0.5480, 12.1000 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(48, 32, 60)` looks like.

```
.text, #text, p{  
    color:rgb(48, 32, 60)  
}
```

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(48, 32, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 32, 60) }
```

Border

The CSS property to change the border of an element to YIQ 39.9760, 0.5480, 12.1000 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(48, 32, 60) }
```


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

```
.border{ border-color:rgb(48, 32, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 32, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 32, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 32, 60);  
box-shadow:4px 4px 4px 4px rgb(48, 32, 60)  
}
```

Background

The CSS property to change the background color of an element to YIQ 39.9760, 0.5480, 12.1000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 32, 60) }
```

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

```
.background{ background-color: rgb(48, 32,  
60) }
```

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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