

# Converting Colors

YIQ(62.3220, -32.6010, 12.6390)

Have a look what the booklet for  
YIQ(62.3220, -32.6010, 12.6390)  
contains.

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# Color

**YIQ(62.3220, -32.6010,  
12.6390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	273F78
RGB	39, 63, 120
RGB Percent	15%, 25%, 47%
CMY	0.8471, 0.7529, 0.5296
CMYK	0.67, 0.47, 0.00, 0.53
HSL	222°, 51%, 31%
HSV	222°, 67%, 47%
XYZ	6.0020, 5.3424, 18.4701
YIQ	62.3220, -32.6010, 12.6390

# Conversions

## Conversions Part 2

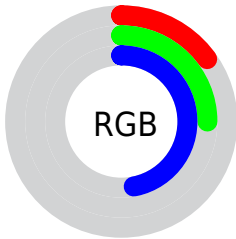
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 58, 120
Decimal	2572152
CIELab	27.69, 10.80, -35.39
CIELCh	28, 36.998, 286.965
Yxy	5.3424, 0.2013, 0.1792
Android (android.graphics.Color)	4280762232 (0xFF273F78)
YUV	62.3220, 28.4353, -20.4534
Hunter-Lab	23.1136, 5.9035, -31.1992




# Details

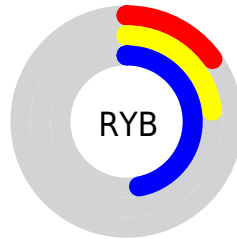
The YIQ color **62.3220, -32.6010, 12.6390** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **96.6780, 32.6010, -12.6390**, and the grayscale version is **62.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **112.0990, -30.3550, 15.9890**, and **21.0080, -28.8410, 10.5750** is the 20% darker color. If you saturate the color by 10%, you get **54.0380, -37.5530, 14.2790**, and if you desaturate by 10%, it is **70.6060, -27.6490, 10.9990**.

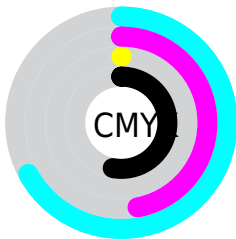
# Distribution







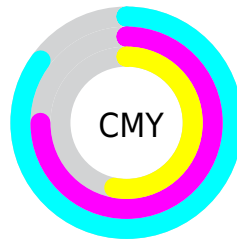
-  Red (15%)
-  Green (25%)
-  Blue (47%)






-  Red (15%)
-  Yellow (23%)
-  Blue (47%)



-  Cyan (67%)
-  Magenta (47%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (85%)
-  Magenta (75%)
-  Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 62.3220, -32.6010, 12.6390 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 62.3220, -32.6010, 12.6390 by changing the saturation by 10% instead.



■ 62.3220, -32.6010,  
12.6390

■ 62.3220, -32.6010,  
12.6390

■ 255.0000, -0.0000,  
-0.0000

■ 35.4950, -40.5780,  
8.5260

■ 112.0990,  
-30.3550, 15.9890

■ 21.0080, -28.8410,  
10.5750

■ 137.9250,  
-29.8050, 17.0350

■ 7.2330, -16.2330,  
13.3590

■ 165.0390,  
-30.1260, 17.3460

■ 3.5510, -8.6210,  
7.5630

■ 192.3380,  
-29.5300, 17.5580

■ 0.0000, 0.0000,  
0.0000

■ 216.5590,  
-20.2670, 9.3730

■ 242.2530,

-10.9580, 0.3540

■ 62.3220, -32.6010,  
12.6390

■ 62.3220, -32.6010,  
12.6390

■ 54.0380, -37.5530,  
14.2790

■ 70.6060, -27.6490,  
10.9990

■ 45.1670, -42.2300,  
16.4420

■ 79.4770, -22.9720,  
8.8360

■ 36.8830, -47.1820,  
18.0820

■ 87.7610, -18.0200,  
7.1960

■ 34.8120, -48.4200,  
18.4920

■ 96.6320, -13.3430,  
5.0330

■ 104.9160, -8.3910,  
3.3930

■ 113.7870, -3.7140,  
1.2300

■ 122.0710, 1.2380,  
-0.4100

■ 130.9420, 5.9150,  
-2.5730

■ 139.2260, 10.8670,  
-4.2130

# Harmonies

## Analogous

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



56.0580, -58.6410, -0.0250



62.3220, -32.6010, 12.6390



67.2190, 4.7180, 24.6380

# Triad

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



62.3220, -32.6010, 12.6390



63.2040, 43.4640, 5.2560



51.7140, -38.1420, -24.6220

# Complementary

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



62.3220, -32.6010, 12.6390



96.6780, 32.6010, -12.6390

# 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.



55.7310, -10.4490, -25.4010



62.3220, -32.6010, 12.6390



62.4720, 36.1770, -11.3670

# Square

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



62.3220, -32.6010, 12.6390



62.8040, 42.3150, 20.5790



59.8670, 18.5270, -21.8970



55.6070, -47.7260, -16.1260



# Rectangle

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



62.3220, -32.6010, 12.6390



65.7820, 22.1860, 27.4500



59.8670, 18.5270, -21.8970



49.9870, -34.6570, -27.2090

# Sweetspot

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



62.3220, -32.6010, 12.6390



133.5180, -13.0220, 4.7220



93.0450, -40.5720, -24.6360



65.6880, -7.7490, 2.7710



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



62.3220, -32.6010, 12.6390



66.0830, -50.6210, 19.8350



53.0180, -16.4650, 28.5830



56.8580, -2.4760, 0.8200



35.9690, -50.3000, 19.5240



72.7530, -101.5170, 39.1470



# Inverse Universe

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



65.9550, 40.5720, 24.6360



71.8920, 63.2190, 38.2190



105.9820, 16.4650, -28.5830



57.0220, 2.9340, 1.8940



41.5930, 62.6230, 38.0070



83.8980, 126.1170, 76.7490



# Previews

## White Background



This preview shows how the YIQ color 62.3220, -32.6010, 12.6390 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 62.3220, -32.6010, 12.6390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

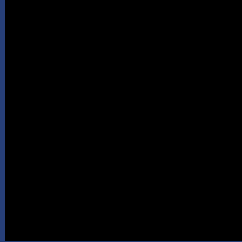
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 62.3220, -32.6010, 12.6390

## Background



This preview shows how black text looks on a background with the YIQ color 62.3220, -32.6010, 12.6390.



This preview shows how white text looks on a background with the YIQ color 62.3220, -32.6010,



# 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

62.3220, -32.6010, 12.6390

### Protanopia

61.4250, -34.3890, 12.0030

### Deuteranopia

52.7810, -56.3030, 1.6570



## Tritanopia

51.7430, -45.1130, -13.9210

# Trichromacy



## Original Color

62.3220, -32.6010, 12.6390

## Protanomaly

61.7240, -33.7930, 12.2150

## Deuteranomaly

56.4940, -48.0050, 5.4590

## Tritanomaly

55.2910, -40.4840, -4.1960

# Monochromacy



## Original Color

62.3220, -32.6010, 12.6390

## Achromatopsia

62.0000, -0.0000, -0.0000

## Achromatomaly

62.0020, -11.5090, 4.8350

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 62.3220, -32.6010, 12.6390 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(39, 63, 120)` looks like.

```
.text, #text, p{  
    color:rgb(39, 63, 120)  
}
```

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(39, 63, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 63, 120) }
```

## Border

The CSS property to change the border of an element to YIQ 62.3220, -32.6010, 12.6390 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(39, 63, 120) }
```



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

```
.border{ border-color:rgb(39, 63, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 63, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 63, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 63, 120);  
box-shadow:4px 4px 4px 4px rgb(39, 63,  
120) }
```

# Background

The CSS property to change the background color of an element to YIQ 62.3220, -32.6010, 12.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 63, 120) }
```

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

```
.background{ background-color: rgb(39, 63,  
120) }
```

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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