

# Converting Colors

YIQ(52.3700, -41.7240, 7.2680)

Have a look what the booklet for  
YIQ(52.3700, -41.7240, 7.2680)  
contains.

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# Color

**YIQ(52.3700, -41.7240,  
7.2680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	113B6F
RGB	17, 59, 111
RGB Percent	7%, 23%, 44%
CMY	0.9334, 0.7686, 0.5649
CMYK	0.85, 0.47, 0.00, 0.56
HSL	213°, 73%, 25%
HSV	213°, 85%, 44%
XYZ	4.6621, 4.3953, 15.6264
YIQ	52.3700, -41.7240, 7.2680

# Conversions

## Conversions Part 2

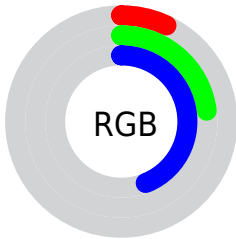
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	17, 46, 111
Decimal	1129327
CIE <sub>Lab</sub>	24.94, 6.57, -34.13
CIE <sub>LCh</sub>	25, 34.757, 280.901
Yxy	4.3953, 0.1889, 0.1781
Android (android.graphics.Color)	4279319407 (0xFF113B6F)
YUV	52.3700, 28.9046, -31.0195
Hunter-Lab	20.9650, 3.0052, -29.5168

# Details

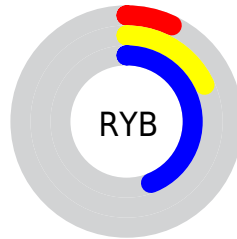
The YIQ color **52.3700, -41.7240, 7.2680** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **75.6300, 41.7240, -7.2680**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.8270, -35.5810, 11.5790**, and **17.1610, -24.8980, 10.7020** is the 20% darker color. If you saturate the color by 10%, you get **45.5590, -46.6300, 8.0740**, and if you desaturate by 10%, it is **59.1810, -36.8180, 6.4620**.

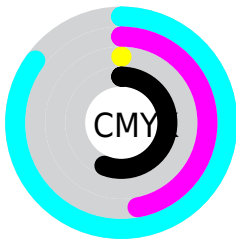
# Distribution



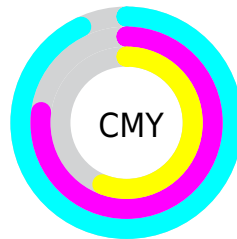
- Red (7%)
- Green (23%)
- Blue (44%)



- Red (7%)
- Yellow (18%)
- Blue (44%)



- Cyan (85%)
- Magenta (47%)
- Yellow (0%)
- Black (56%)



- Cyan (93%)
- Magenta (77%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 52.3700, -41.7240, 7.2680 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 52.3700, -41.7240, 7.2680 by changing the saturation by 10% instead.



■ 52.3700, -41.7240,  
7.2680

■ 52.3700, -41.7240,  
7.2680

■ 255.0000, -0.0000,  
-0.0000

■ 32.1100, -38.0560,  
6.8720

■ 103.8270,  
-35.5810, 11.5790

■ 17.1610, -24.8980,  
10.7020

■ 129.6530,  
-35.0310, 12.6250

■ 6.3210, -13.6650,  
10.8710

■ 156.1800,  
-35.0770, 13.4590

■ 2.6390, -6.0530,  
5.0750

■ 183.7070,  
-35.1230, 14.2930

■ 0.0000, 0.0000,  
0.0000

■ 208.8400,  
-28.4280, 8.5960

■ 233.9470,

-18.8440, 0.1000

252.0100, -5.9600,  
-2.1200

52.3700, -41.7240,  
7.2680

52.3700, -41.7240,  
7.2680

45.5590, -46.6300,  
8.0740

59.1810, -36.8180,  
6.4620

42.0040, -49.3810,  
8.3710

65.9920, -31.9120,  
5.6560

72.8030, -27.0060,  
4.8500

80.2010, -22.3750,  
3.5210

87.0120, -17.4690,  
2.7150

■ 94.1220, -11.9670,  
2.1210

■ 100.9330, -7.0610,  
1.3150

■ 107.7440, -2.1550,  
0.5090

■ 114.5550, 2.7510,  
-0.2970

# Harmonies

## Analogous

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



51.7550, -53.4140, -1.1420



52.3700, -41.7240, 7.2680



60.9900, -2.0670, 20.9490

# Triad

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



52.3700, -41.7240, 7.2680



56.6430, 40.8500, 8.5780



45.7640, -32.4110, -23.8590

# Complementary

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



52.3700, -41.7240, 7.2680



75.6300, 41.7240, -7.2680

# 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.



51.3190, -3.2970, -22.8570



52.3700, -41.7240, 7.2680



56.6940, 35.6720, -7.7200

# Square

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



52.3700, -41.7240, 7.2680



56.8790, 37.7300, 21.0740



54.6440, 20.7730, -18.5470



49.4290, -41.3530, -15.9850



# Rectangle

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



52.3700, -41.7240, 7.2680



60.3790, 15.9510, 24.8070



54.6440, 20.7730, -18.5470



44.1510, -29.2470, -26.1350

# Sweetspot

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



52.3700, -41.7240, 7.2680



122.4960, -15.9560, 2.8280



78.1060, -42.5420, -32.9900



60.3780, -9.8120, 1.6120



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



52.3700, -41.7240, 7.2680



54.6850, -64.4200, 11.1000



29.2110, -27.1940, 30.2940



52.4450, -2.7510, 0.2970



45.3780, -53.3700, 9.0780



93.3150, -109.8120, 18.7640



# Inverse Universe

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



49.8940, 42.5420, 32.9900



50.7650, 65.5550, 50.9550



98.7890, 27.1940, -30.2940



52.1360, 2.6130, 2.2050



42.0360, 54.1860, 42.2340



86.5070, 111.5810, 86.8850



# Previews

## White Background



This preview shows how the YIQ color 52.3700, -41.7240, 7.2680 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

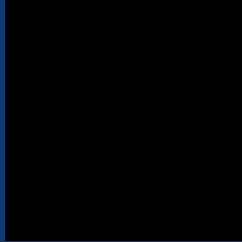
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 52.3700, -41.7240, 7.2680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 52.3700, -41.7240, 7.2680.



This preview shows how white text looks on a background with the YIQ color 52.3700, -41.7240,



# 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

52.3700, -41.7240, 7.2680

### Protanopia

56.3390, -31.2710, 10.5610

### Deuteranopia

47.3040, -50.5260, 1.5860



## Tritanopia

46.7220, -40.6200, -12.7480

# Trichromacy



## Original Color

52.3700, -41.7240, 7.2680

## Protanomaly

54.6590, -35.1680, 9.6000

## Deuteranomaly

49.3260, -47.5920, 3.4800

## Tritanomaly

48.4650, -41.0340, -5.2420

# Monochromacy



## Original Color

52.3700, -41.7240, 7.2680

## Achromatopsia

52.0000, -0.0000, -0.0000

## Achromatomaly

52.2680, -15.3140, 2.2060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 52.3700, -41.7240, 7.2680 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(17, 59, 111)` looks like.

```
.text, #text, p{  
    color:rgb(17, 59, 111)  
}
```

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(17, 59, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 59, 111) }
```

## Border

The CSS property to change the border of an element to YIQ 52.3700, -41.7240, 7.2680 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(17, 59, 111) }
```



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

```
.border{ border-color:rgb(17, 59, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 59, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 59, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 59, 111);  
box-shadow:4px 4px 4px 4px rgb(17, 59,  
111) }
```

# Background

The CSS property to change the background color of an element to YIQ 52.3700, -41.7240, 7.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 59, 111) }
```

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

```
.background{ background-color: rgb(17, 59,  
111) }
```

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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