

# Converting Colors

YIQ(34.6140, -55.3490, 50.4670)

Have a look what the booklet for  
YIQ(34.6140, -55.3490, 50.4670)  
contains.

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# Color

**YIQ(34.6140, -55.3490,  
50.4670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0D11B6
RGB	13, 17, 182
RGB Percent	5%, 7%, 71%
CMY	0.9488, 0.9334, 0.2866
CMYK	0.93, 0.91, 0.00, 0.29
HSL	239°, 87%, 38%
HSV	239°, 93%, 71%
XYZ	8.8012, 3.8604, 44.4892
YIQ	34.6140, -55.3490, 50.4670

# Conversions

## Conversions Part 2

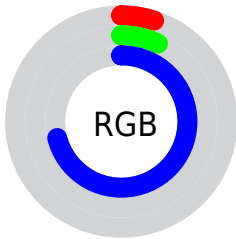
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	13, 17, 182
Decimal	856502
CIE <sub>Lab</sub>	23.20, 57.22, -80.82
CIE <sub>LCh</sub>	23, 99.022, 305.300
Yxy	3.8604, 0.1540, 0.0675
Android (android.graphics.Color)	4279046582 (0xFF0D11B6)
YUV	34.6140, 72.6613, -18.9555
Hunter-Lab	19.6480, 45.5734, -120.4974

# Details

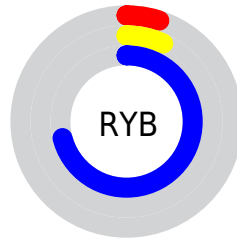
The YIQ color **34.6140, -55.3490, 50.4670** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **160.3860, 55.3490, -50.4670**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **98.2470, -34.9020, 59.8660**, and **14.4780, -40.7670, 39.4970** is the 20% darker color. If you saturate the color by 10%, you get **23.0960, -59.5220, 54.5100**, and if you desaturate by 10%, it is **50.5620, -49.5710, 44.8690**.

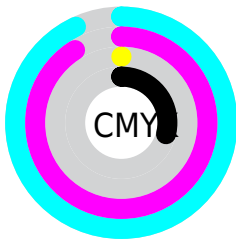
# Distribution



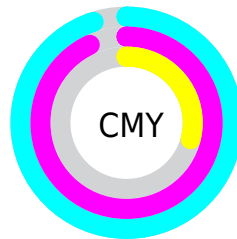
- Red (5%)
- Green (7%)
- Blue (71%)



- Red (5%)
- Yellow (7%)
- Blue (71%)



- Cyan (93%)
- Magenta (91%)
- Yellow (0%)
- Black (29%)



- Cyan (95%)
- Magenta (93%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 34.6140, -55.3490, 50.4670 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 34.6140, -55.3490, 50.4670 by changing the saturation by 10% instead.



■ 34.6140, -55.3490,  
50.4670

■ 34.6140, -55.3490,  
50.4670

■ 255.0000, -0.0000,  
-0.0000

■ 17.5560, -49.4340,  
47.8940

■ 98.2470, -34.9020,  
59.8660

■ 14.4780, -40.7670,  
39.4970

■ 124.3140,  
-27.8410, 58.5510

■ 11.5140, -32.4210,  
31.4110

■ 148.8450,  
-16.5150, 51.5250

■ 13.9470, -26.8710,  
18.9290

■ 173.6640, -6.0600,  
43.7640

■ 8.2760, -17.7920,  
14.0800

■ 198.7820, 4.9910,  
36.2150

■ 4.5940, -10.1800,  
8.2840

■ 223.8890, 14.5750,

■ 0.0000, 0.0000,

27.7190

0.0000

240.9120, 6.6000,  
12.5520

34.6140, -55.3490,  
50.4670

34.6140, -55.3490,  
50.4670

23.0960, -59.5220,  
54.5100

50.5620, -49.5710,  
44.8690

66.5100, -43.7930,  
39.2710

82.1700, -37.1440,  
34.4080

98.1180, -31.3660,  
28.8100

114.0660,  
-25.5880, 23.2120

■ 130.0140,  
-19.8100, 17.6140

■ 145.3750,  
-13.7570, 12.5390

■ 161.6220, -7.3830,  
7.1530

■ 177.5700, -1.6050,  
1.5550

# Harmonies

## Analogous

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



63.3830, -86.1560, 30.5800



34.6140, -55.3490, 50.4670



56.6220, 47.6250, 67.5370

# Triad

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



34.6140, -55.3490, 50.4670



41.4290, 65.2400, 18.1040



52.9510, -43.0030, -19.1230

# Complementary

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



34.6140, -55.3490, 50.4670



160.3860, 55.3490, -50.4670

# 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.



44.0250, -20.6250, -39.2250



34.6140, -55.3490, 50.4670



51.0890, 18.0220, -18.2500

# Square

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



34.6140, -55.3490, 50.4670



46.0460, 91.7840, 32.6480



41.6770, -19.5250, -37.1330



62.5610, -67.3070, 2.8450



# Rectangle

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



34.6140, -55.3490, 50.4670



57.7280, 76.1450, 57.2730



41.6770, -19.5250, -37.1330



49.8730, -34.3360, -27.5200

# Sweetspot

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



34.6140, -55.3490, 50.4670



179.1110, -21.4610, 20.0030



130.7850, -98.7980, -37.6940



84.2610, -13.4360, 12.2280



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



34.6140, -55.3490, 50.4670



30.5400, -77.7270, 70.5690



55.8870, -7.1650, 69.3070



84.0260, -2.8890, 2.7990



20.1320, -51.1760, 46.4240



3.7790, -9.2630, 8.1850



# Inverse Universe

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



63.9870, 99.4400, 37.0720



71.5470, 139.3260, 52.1100



139.1130, 7.1650, -69.3070



85.6910, 5.3640, 1.9080



47.1000, 91.6920, 34.3160

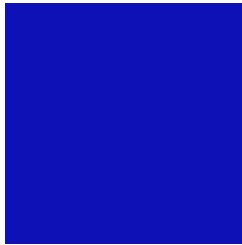


8.4860, 16.3670, 6.2470



# Previews

## White Background



This preview shows how the YIQ color 34.6140, -55.3490, 50.4670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

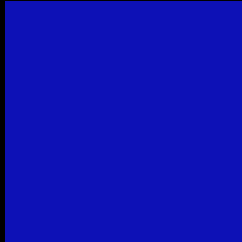
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 34.6140, -55.3490, 50.4670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

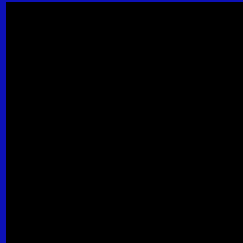
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 34.6140, -55.3490, 50.4670**

## **Background**



This preview shows how black text looks on a background with the YIQ color 34.6140, -55.3490, 50.4670.



This preview shows how white text looks on a background with the YIQ color 34.6140, -55.3490,



# 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

34.6140, -55.3490, 50.4670

### Protanopia

45.3950, -52.0400, 7.0000

### Deuteranopia

45.1040, -47.0870, -0.1670



## Tritanopia

44.5050, -38.5110, -12.4230

# Trichromacy



## Original Color

34.6140, -55.3490, 50.4670

## Protanomaly

41.4080, -52.9140, 22.8460

## Deuteranomaly

41.3280, -49.9330, 18.3790

## Tritanomaly

40.8090, -44.3380, 10.5900

# Monochromacy



## Original Color

34.6140, -55.3490, 50.4670

## Achromatopsia

35.0000, 0.0000, 0.0000

## Achromatomaly

34.5410, -19.8560, 18.4480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.6140, -55.3490, 50.4670 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(13, 17, 182)` looks like.

```
.text, #text, p{  
    color:rgb(13, 17, 182)  
}
```

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(13, 17, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 17, 182) }
```

## Border

The CSS property to change the border of an element to YIQ 34.6140, -55.3490, 50.4670 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(13, 17, 182) }
```



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

```
.border{ border-color:rgb(13, 17, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 17, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 17, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 17, 182);  
box-shadow:4px 4px 4px 4px rgb(13, 17,  
182) }
```

# Background

The CSS property to change the background color of an element to YIQ 34.6140, -55.3490, 50.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 17, 182) }
```

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

```
.background{ background-color: rgb(13, 17,  
182) }
```

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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