

# Converting Colors

YIQ(55.4140, -45.0240, 0.9920)

Have a look what the booklet for  
YIQ(55.4140, -45.0240, 0.9920)  
contains.

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# Color

**YIQ(55.4140, -45.0240,  
0.9920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0D436B
RGB	13, 67, 107
RGB Percent	5%, 26%, 42%
CMY	0.9491, 0.7372, 0.5806
CMYK	0.88, 0.37, 0.00, 0.58
HSL	205°, 78%, 24%
HSV	205°, 88%, 42%
XYZ	4.8251, 5.1628, 14.6374
YIQ	55.4140, -45.0240, 0.9920

# Conversions

## Conversions Part 2

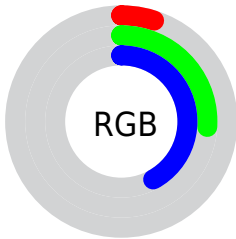
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	13, 47, 107
Decimal	869227
CIE <sub>Lab</sub>	27.19, -1.04, -27.98
CIE <sub>LCh</sub>	27, 28.002, 267.867
Yxy	5.1628, 0.1959, 0.2097
Android (android.graphics.Color)	4279059307 (0xFF0D436B)
YUV	55.4140, 25.4319, -37.1971
Hunter-Lab	22.7218, -1.8574, -22.2894

# Details

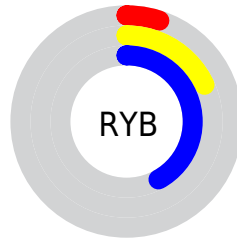
The YIQ color **55.4140, -45.0240, 0.9920** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **64.5860, 45.0240, -0.9920**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.0560, -37.9640, 5.2040**, and **21.4010, -25.8140, 5.2740** is the 20% darker color. If you saturate the color by 10%, you get **49.1900, -50.2050, 1.2750**, and if you desaturate by 10%, it is **61.6380, -39.8430, 0.7090**.

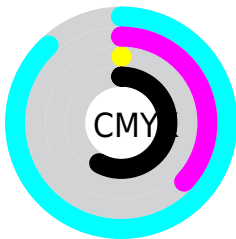
# Distribution



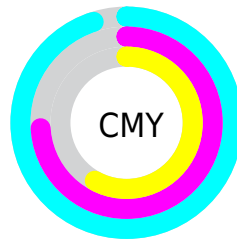
- Red (5%)
- Green (26%)
- Blue (42%)



- Red (5%)
- Yellow (18%)
- Blue (42%)



- Cyan (88%)
- Magenta (37%)
- Yellow (0%)
- Black (58%)



- Cyan (95%)
- Magenta (74%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.4140, -45.0240, 0.9920 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 55.4140, -45.0240, 0.9920 by changing the saturation by 10% instead.



■ 55.4140, -45.0240,  
0.9920

■ 55.4140, -45.0240,  
0.9920

■ 255.0000, -0.0000,  
-0.0000

■ 35.8770, -39.0180,  
2.2780

■ 108.0560,  
-37.9640, 5.2040

■ 21.4010, -25.8140,  
5.2740

■ 133.5830,  
-38.0100, 6.0380

■ 5.3920, -12.4270,  
10.4610

■ 159.9960,  
-37.7350, 6.5610

■ 2.1830, -4.7690,  
3.8310

■ 188.1100,  
-38.0560, 6.8720

■ 0.0000, 0.0000,  
0.0000

■ 213.8130,  
-32.9660, 2.7300

■ 239.2080,

-24.2530, -6.5010

251.1130, -7.7480,  
-2.7560

55.4140, -45.0240,  
0.9920

55.4140, -45.0240,  
0.9920

49.1900, -50.2050,  
1.2750

61.6380, -39.8430,  
0.7090

48.5920, -51.3970,  
0.8510

66.9760, -34.9830,  
0.7370

73.2000, -29.8020,  
0.4540

78.8370, -24.3460,  
0.6940

84.7620, -19.7610,  
0.1990

■ 90.3990, -14.3050,  
0.4390

■ 96.6230, -9.1240,  
0.1560

■ 102.2600, -3.6680,  
0.3960

■ 108.1850, 0.9170,  
-0.0990

# Harmonies

## Analogous

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



53.6640, -51.9000, -6.5560



55.4140, -45.0240, 0.9920



65.0980, -11.4190, 14.2210

# Triad

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



55.4140, -45.0240, 0.9920



64.1030, 33.7430, 10.7270



56.1960, -15.9520, -19.2800

# Complementary

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



55.4140, -45.0240, 0.9920



64.5860, 45.0240, -0.9920

# 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.



59.9830, 6.6970, -16.7510



55.4140, -45.0240, 0.9920



63.5830, 31.9110, -0.1290

# Square

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



55.4140, -45.0240, 0.9920



65.1380, 26.6350, 18.4030



62.4690, 23.0640, -10.5040



51.0930, -40.5270, -19.9430



# Rectangle

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



55.4140, -45.0240, 0.9920



66.2310, 4.4440, 18.5880



62.4690, 23.0640, -10.5040



57.8010, -7.4700, -18.8140

# Sweetspot

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



55.4140, -45.0240, 0.9920



120.4310, -17.3310, 0.2130



72.6240, -38.3690, -37.0330



59.1390, -10.6370, 0.0430



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



55.4140, -45.0240, 0.9920



63.5070, -67.2150, 1.1770



28.4120, -32.3740, 25.0500



50.4450, -2.7510, 0.2970



52.6670, -55.9820, 1.3460



110.6970, -117.4200, 2.4520



# Inverse Universe

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



47.2620, 38.6900, 36.7220



51.0940, 57.4390, 54.8710



91.5880, 32.3740, -25.0500



50.1360, 2.6130, 2.2050



42.6210, 48.2250, 45.6410



89.3290, 100.7590, 95.7910



# Previews

## White Background



This preview shows how the YIQ color 55.4140, -45.0240, 0.9920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

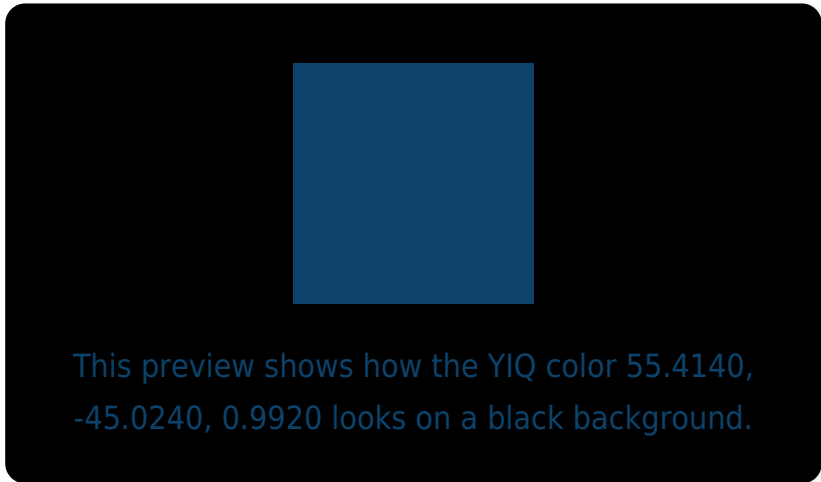
Any Text WCAG AA ✓ Pass

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

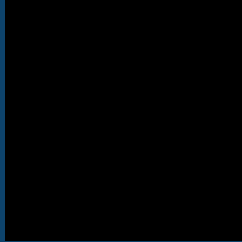
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 55.4140, -45.0240, 0.9920**

## **Background**



This preview shows how black text looks on a background with the YIQ color 55.4140, -45.0240, 0.9920.



This preview shows how white text looks on a background with the YIQ color 55.4140, -45.0240,



# 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

55.4140, -45.0240, 0.9920

### Protanopia

63.3740, -21.1840, 9.4720

### Deuteranopia

60.8180, -31.3620, 6.7020



## Tritanopia

51.0420, -44.5170, -13.7090

# Trichromacy



## Original Color

55.4140, -45.0240, 0.9920

## Protanomaly

60.1880, -29.5280, 6.5040

## Deuteranomaly

59.0130, -36.4050, 4.4830

## Tritanomaly

52.6170, -44.5180, -8.1820

# Monochromacy



## Original Color

55.4140, -45.0240, 0.9920

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

55.0290, -16.1390, 0.6370

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.4140, -45.0240, 0.9920 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, 67, 107)` looks like.

```
.text, #text, p{  
    color:rgb(13, 67, 107)  
}
```

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, 67, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 67, 107) }
```

## Border

The CSS property to change the border of an element to YIQ 55.4140, -45.0240, 0.9920 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, 67, 107) }
```



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

```
.border{ border-color:rgb(13, 67, 107) }
```

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

Here you see how a box with a 4 pixel rgb(13, 67, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 67, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 67, 107);  
box-shadow:4px 4px 4px 4px rgb(13, 67,  
107) }
```

# Background

The CSS property to change the background color of an element to YIQ 55.4140, -45.0240, 0.9920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 67, 107) }
```

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

```
.background{ background-color: rgb(13, 67,  
107) }
```

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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