

# Converting Colors

YIQ(127.5560, -42.5480, 0.1720)

Have a look what the booklet for  
YIQ(127.5560, -42.5480, 0.1720)  
contains.

<b>YIQ(127.5560, -42.5480, 0.1720)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(127.5560, -42.5480,  
0.1720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	578BAF
RGB	87, 139, 175
RGB Percent	34%, 55%, 69%
CMY	0.6589, 0.4548, 0.3139
CMYK	0.50, 0.21, 0.00, 0.31
HSL	205°, 35%, 51%
HSV	205°, 50%, 69%
XYZ	20.8968, 23.5898, 43.9835
YIQ	127.5560, -42.5480, 0.1720

# Conversions

## Conversions Part 2

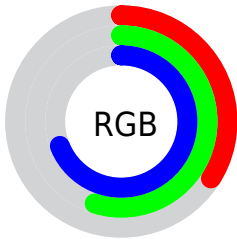
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 120, 175
Decimal	5737391
CIELab	55.67, -7.17, -24.27
CIELCh	56, 25.304, 253.546
Yxy	23.5898, 0.2362, 0.2666
Android (android.graphics.Color)	4283927471 (0xFF578BAF)
YUV	127.5560, 23.3899, -35.5676
Hunter-Lab	48.5693, -8.1971, -19.6935

# Details

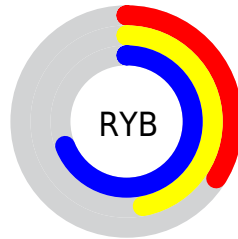
The YIQ color  $127.5560, -42.5480, 0.1720$  is a dark color, and the websafe version is hex  $6699CC$ . A complement of this color would be  $134.4440, 42.5480, -0.1720$ , and the grayscale version is  $127.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $181.4960, -42.3190, 1.5290$ , and  $74.8220, -46.3530, -2.4570$  is the 20% darker color. If you saturate the color by 10%, you get  $118.0650, -51.3510, 0.0170$ , and if you desaturate by 10%, it is  $136.7480, -34.3410, 0.1150$ .

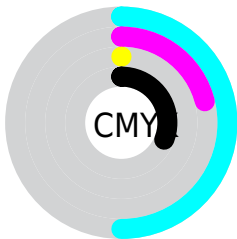
# Distribution



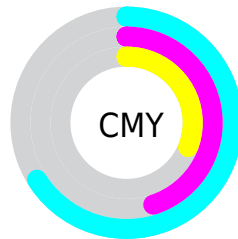
- Red (34%)
- Green (55%)
- Blue (69%)



- Red (34%)
- Yellow (47%)
- Blue (69%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (31%)



- Cyan (66%)
- Magenta (45%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 127.5560, -42.5480, 0.1720 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 127.5560, -42.5480, 0.1720 by changing the saturation by 10% instead.



■ 127.5560,  
-42.5480, 0.1720

■ 127.5560,  
-42.5480, 0.1720

■ 255.0000, -0.0000,  
-0.0000

■ 101.4310,  
-43.6940, -1.0860

■ 181.4960,  
-42.3190, 1.5290

■ 74.8220, -46.3530,  
-2.4570

■ 209.0400,  
-41.0350, 0.2850

■ 49.8000, -49.2870,  
-4.3510

■ 234.4350,  
-32.3220, -8.9460

■ 34.1500, -35.5330,  
-0.3090

■ 246.6280,  
-16.6880, -5.9360

■ 19.9020, -22.9710,  
3.3090

■ 4.4800, -9.8590,  
7.9730

■ 0.0000, 0.0000,

0.0000

■ 127.5560,  
-42.5480, 0.1720

■ 127.5560,  
-42.5480, 0.1720

■ 118.0650,  
-51.3510, 0.0170

■ 136.7480,  
-34.3410, 0.1150

■ 108.8730,  
-59.5580, 0.0740

■ 146.2390,  
-25.5380, 0.2700

■ 99.3820, -68.3610,  
-0.0810

■ 155.4310,  
-17.3310, 0.2130

■ 89.6030, -76.2930,  
0.4990

■ 165.5090, -8.8030,  
-0.1550

■ 80.9980, -84.7750,  
0.0330

■ 174.7010, -0.5960,  
-0.2120

■ 184.1920, 8.2070,  
-0.0570

■ 193.3840, 16.4140,  
-0.1140

■ 202.8750, 25.2170,  
0.0410

■ 212.0670, 33.4240,  
-0.0160

# Harmonies

## Analogous

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



122.2460, -53.7790, -11.0510



127.5560, -42.5480, 0.1720



133.1290, -21.8720, 10.9280

# Triad

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



127.5560, -42.5480, 0.1720



135.7380, 33.5130, 14.8970



128.3670, -3.2520, -18.1640

# Complementary

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



127.5560, -42.5480, 0.1720



134.4440, 42.5480, -0.1720

# 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.



131.0660, 16.8290, -13.1470



127.5560, -42.5480, 0.1720



134.6100, 36.4490, 5.7370

# Square

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



127.5560, -42.5480, 0.1720



136.4410, 21.4080, 19.5200



133.4640, 30.6280, -4.4120



125.4060, -25.3510, -19.6470



# Rectangle

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



127.5560, -42.5480, 0.1720



135.7890, -6.0550, 16.1290



133.4640, 30.6280, -4.4120



129.3140, 4.2670, -16.7650

# Sweetspot

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



127.5560, -42.5480, 0.1720



208.6160, -16.4140, 0.1140



142.6460, -35.4350, -35.1390



103.4380, -10.0410, 0.2550



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



127.5560, -42.5480, 0.1720



153.4640, -65.6560, 0.4560



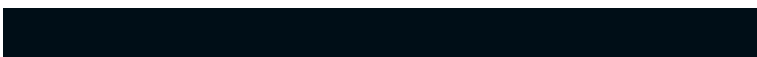
102.3150, -30.7230, 22.6610



81.9610, -4.2640, 0.1840



69.3430, -72.6250, 0.1030



10.8400, -11.2330, -0.1690



# Inverse Universe

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



119.2400, 35.7560, 34.8280



140.7840, 55.3760, 53.7120



159.6850, 30.7230, -22.6610



81.2610, 3.7590, 3.4630



54.9960, 60.8310, 59.4790



8.4730, 9.2140, 9.2300



# Previews

## White Background



This preview shows how the YIQ color 127.5560, -42.5480, 0.1720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

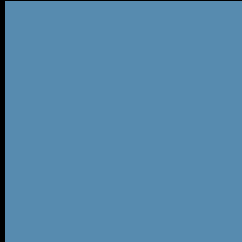
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 127.5560, -42.5480, 0.1720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

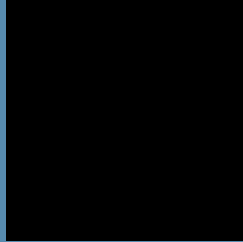
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 127.5560, -42.5480, 0.1720

## Background



This preview shows how black text looks on a background with the YIQ color 127.5560, -42.5480, 0.1720.



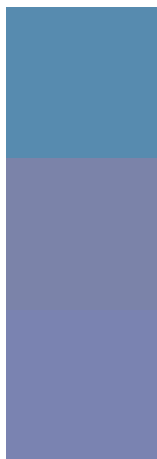
This preview shows how white text looks on a background with the YIQ color 127.5560, -42.5480,



# 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

127.5560, -42.5480, 0.1720

### Protanopia

132.9400, -16.9660, 10.1220

### Deuteranopia

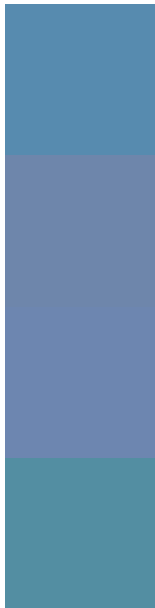
133.5530, -20.1300, 12.3980



## Tritanopia

125.4170, -41.0790, -9.9350

# Trichromacy



## Original Color

127.5560, -42.5480, 0.1720

## Protanomaly

131.0420, -26.1810, 6.4190

## Deuteranomaly

131.3130, -28.3820, 7.7620

## Tritanomaly

126.6390, -41.5840, -6.2880

# Monochromacy



## Original Color

127.5560, -42.5480, 0.1720

## Achromatopsia

128.0000, -0.0000, -0.0000

## Achromatomaly

127.8010, -15.4970, 0.0150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 127.5560, -42.5480, 0.1720 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(87, 139, 175)` looks like.

```
.text, #text, p{  
    color:rgb(87, 139, 175)  
}
```

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(87, 139, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 139, 175) }
```

## Border

The CSS property to change the border of an element to YIQ 127.5560, -42.5480, 0.1720 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(87, 139, 175) }
```



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

```
.border{ border-color:rgb(87, 139, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 139, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 139, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 139, 175);  
box-shadow:4px 4px 4px 4px rgb(87, 139,  
175) }
```

# Background

The CSS property to change the background color of an element to YIQ 127.5560, -42.5480, 0.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 139, 175) }
```

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

```
.background{ background-color: rgb(87, 139,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor