

# Converting Colors

YIQ(124.9530, -53.3710,  
14.6050)

Have a look what the booklet for  
YIQ(124.9530, -53.3710, 14.6050)  
contains.

<b>YIQ(124.9530, -53.3710, 14.6050)</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(124.9530, -53.3710,  
14.6050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5382D1
RGB	83, 130, 209
RGB Percent	33%, 51%, 82%
CMY	0.6745, 0.4901, 0.1807
CMYK	0.60, 0.38, 0.00, 0.18
HSL	218°, 58%, 57%
HSV	218°, 60%, 82%
XYZ	23.0512, 22.4089, 63.3868
YIQ	124.9530, -53.3710, 14.6050

# Conversions

## Conversions Part 2

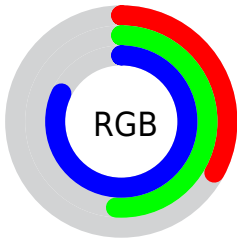
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 117, 209
Decimal	5472977
CIE Lab	54.46, 8.11, -45.52
CIE LCh	54, 46.235, 280.102
Yxy	22.4089, 0.2118, 0.2059
Android (android.graphics.Color)	4283663057 (0xFF5382D1)
YUV	124.9530, 41.4352, -36.7928
Hunter-Lab	47.3380, 4.0788, -46.2543

# Details

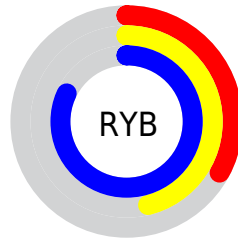
The YIQ color **124.9530, -53.3710, 14.6050** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **167.0470, 53.3710, -14.6050**, and the grayscale version is **125.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **178.9490, -47.5480, 13.7000**, and **65.1030, -71.7090, 5.5310** is the 20% darker color. If you saturate the color by 10%, you get **111.0430, -62.3120, 16.9520**, and if you desaturate by 10%, it is **138.8630, -44.4300, 12.2580**.

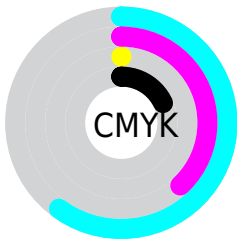
# Distribution



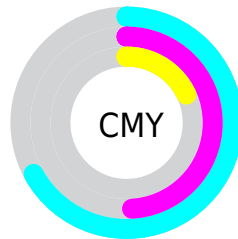
- Red (33%)
- Green (51%)
- Blue (82%)



- Red (33%)
- Yellow (46%)
- Blue (82%)



- Cyan (60%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (67%)
- Magenta (49%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 124.9530, -53.3710, 14.6050 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 124.9530, -53.3710, 14.6050 by changing the saturation by 10% instead.



■ 124.9530,  
-53.3710, 14.6050

■ 124.9530,  
-53.3710, 14.6050

■ 255.0000, -0.0000,  
-0.0000

■ 97.5180, -56.5800,  
12.1880

■ 178.9490,  
-47.5480, 13.7000

■ 65.1030, -71.7090,  
5.5310

■ 203.4690,  
-37.6890, 5.7270

■ 49.2250, -57.3130,  
8.9510

■ 228.5760,  
-28.1050, -2.7690

■ 33.9340, -43.1920,  
11.8480

■ 247.5250,  
-14.9000, -5.3000

■ 18.8710, -29.7130,  
15.3670

■ 9.0910, -18.7090,  
14.1790

■ 4.8220, -10.8220,

8.9060

■ 0.4560, -1.2840,  
1.2440

■ 0.0000, 0.0000,  
0.0000

■ 124.9530,  
-53.3710, 14.6050

■ 124.9530,  
-53.3710, 14.6050

■ 111.0430,  
-62.3120, 16.9520

■ 138.8630,  
-44.4300, 12.2580

■ 97.1330, -71.2530,  
19.2990

■ 152.7730,  
-35.4890, 9.9110

■ 83.2230, -80.1940,  
21.6460

■ 166.6830,  
-26.5480, 7.5640

■ 69.6120, -88.5390,  
24.2050

■ 180.5930,  
-17.6070, 5.2170

■ 194.2040, -9.2620,  
2.6580

■ 208.7010, -0.5960,  
-0.2120

■ 222.6110, 8.3450,  
-2.5590

■ 236.5210, 17.2860,  
-4.9060

■ 245.6470, 16.6910,  
-10.6450

# Harmonies

## Analogous

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



106.7240, -104.8550, -10.5110



124.9530, -53.3710, 14.6050



133.9550, -2.9860, 32.1020

# Triad

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



124.9530, -53.3710, 14.6050



129.4840, 63.4070, 12.7750



105.9790, -58.5420, -40.3820

# Complementary

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



124.9530, -53.3710, 14.6050



167.0470, 53.3710, -14.6050

# 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.



119.8810, -2.4240, -33.1760



124.9530, -53.3710, 14.6050



128.3340, 54.2410, -8.3430

# Square

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



124.9530, -53.3710, 14.6050



130.2130, 57.5810, 30.2610



124.7020, 32.0530, -24.7390



104.3520, -87.1530, -33.9770



# Rectangle

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



124.9530, -53.3710, 14.6050



134.0630, 23.1930, 36.7370



124.7020, 32.0530, -24.7390



113.7770, -34.4260, -36.9060

# Sweetspot

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



124.9530, -53.3710, 14.6050



224.2230, -19.4410, 5.4150



165.8540, -59.6880, -41.6400



108.7630, -12.3340, 3.2660



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



124.9530, -53.3710, 14.6050



132.4790, -78.0390, 21.1370



101.8490, -31.5060, 42.3660



97.6020, -4.6310, 1.3290



56.1330, -71.2530, 19.2990



13.4790, -17.2860, 4.9060



# Inverse Universe

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



126.0320, 60.0090, 41.3290



133.8820, 87.5150, 60.4670



190.1510, 31.5060, -42.3660



97.7450, 5.2720, 3.5760



57.4140, 79.9050, 55.2090



13.9690, 19.6210, 13.3570



# Previews

## White Background



This preview shows how the YIQ color 124.9530, -53.3710, 14.6050 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 124.9530, -53.3710, 14.6050 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 124.9530, -53.3710, 14.6050

## Background



This preview shows how black text looks on a background with the YIQ color 124.9530, -53.3710, 14.6050.



This preview shows how white text looks on a background with the YIQ color 124.9530, -53.3710,



# 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

124.9530, -53.3710, 14.6050

### Protanopia

127.6340, -42.0470, 18.6330

### Deuteranopia

124.9530, -53.3710, 14.6050



## Tritanopia

118.1380, -53.5950, -14.3870

# Trichromacy



## Original Color

124.9530, -53.3710, 14.6050

## Protanomaly

126.5410, -46.2190, 17.1490

## Deuteranomaly

124.9530, -53.3710, 14.6050

## Tritanomaly

120.7610, -53.5510, -4.1670

# Monochromacy



## Original Color

124.9530, -53.3710, 14.6050

## Achromatopsia

125.0000, 0.0000, 0.0000

## Achromatomaly

125.2230, -19.4410, 5.4150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 124.9530, -53.3710, 14.6050 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(83, 130, 209)` looks like.

```
.text, #text, p{  
    color:rgb(83, 130, 209)  
}
```

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(83, 130, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 130, 209) }
```

## Border

The CSS property to change the border of an element to YIQ 124.9530, -53.3710, 14.6050 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(83, 130, 209) }
```



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

```
.border{ border-color:rgb(83, 130, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 130, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 130, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 130, 209);  
box-shadow:4px 4px 4px 4px rgb(83, 130,  
209) }
```

# Background

The CSS property to change the background color of an element to YIQ 124.9530, -53.3710, 14.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 130, 209) }
```

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

```
.background{ background-color: rgb(83, 130,  
209) }
```

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