

# Converting Colors

YIQ(89.5570, -87.8470, 0.6410)

Have a look what the booklet for  
YIQ(89.5570, -87.8470, 0.6410)  
contains.

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# Color

**YIQ(89.5570, -87.8470,  
0.6410)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0671BC
RGB	6, 113, 188
RGB Percent	2%, 44%, 74%
CMY	0.9765, 0.5567, 0.2631
CMYK	0.97, 0.40, 0.00, 0.26
HSL	205°, 94%, 38%
HSV	205°, 97%, 74%
XYZ	15.0505, 15.4851, 49.7140
YIQ	89.5570, -87.8470, 0.6410

# Conversions

## Conversions Part 2

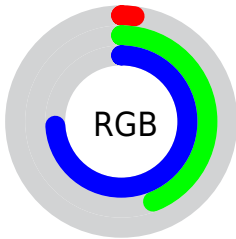
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 73, 188
Decimal	422332
CIELab	46.29, 2.01, -46.61
CIELCh	46, 46.649, 272.465
Yxy	15.4851, 0.1875, 0.1930
Android (android.graphics.Color)	4278612412 (0xFF0671BC)
YUV	89.5570, 48.5324, -73.2795
Hunter-Lab	39.3511, -0.5939, -47.3580

# Details

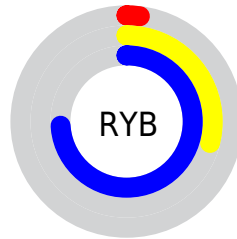
The YIQ color **89.5570, -87.8470, 0.6410** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **104.4430, 87.8470, -0.6410**, and the grayscale version is **89.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.6030, -67.1250, 10.5630**, and **54.0180, -61.1640, 7.1560** is the 20% darker color. If you saturate the color by 10%, you get **86.5890, -90.8730, 0.4150**, and if you desaturate by 10%, it is **99.9340, -78.7230, 0.4850**.

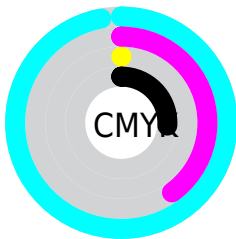
# Distribution



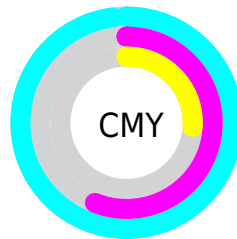
- Red (2%)
- Green (44%)
- Blue (74%)



- Red (2%)
- Yellow (29%)
- Blue (74%)



- Cyan (97%)
- Magenta (40%)
- Yellow (0%)
- Black (26%)



- Cyan (98%)
- Magenta (56%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.5570, -87.8470, 0.6410 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 89.5570, -87.8470, 0.6410 by changing the saturation by 10% instead.



■ 89.5570, -87.8470,  
0.6410

■ 89.5570, -87.8470,  
0.6410

■ 255.0000, -0.0000,  
-0.0000

■ 70.5970, -76.1560,  
3.5240

■ 152.6030,  
-67.1250, 10.5630

■ 54.0180, -61.1640,  
7.1560

■ 178.8610,  
-59.2840, 6.1240

■ 38.7270, -47.0430,  
10.0530

■ 204.2670,  
-49.1040, -2.1600

■ 24.1370, -33.5180,  
12.7380

■ 229.6730,  
-38.9240, -10.4440

■ 10.3620, -20.9100,  
15.5220

■ 243.6380,  
-22.6480, -8.0560

■ 5.3920, -12.4270,  
10.4610

■ 252.6080, -4.7680,

■ 2.1830, -4.7690,

-1.6960

3.8310

■ 0.0000, 0.0000,  
0.0000

■ 89.5570, -87.8470,  
0.6410

■ 89.5570, -87.8470,  
0.6410

■ 86.5890, -90.8730,  
0.4150

■ 99.9340, -78.7230,  
0.4850

■ 110.3110,  
-69.5990, 0.3290

■ 119.8020,  
-60.7960, 0.4840

■ 130.1790,  
-51.6720, 0.3280

■ 140.5560,  
-42.5480, 0.1720

■ 150.3460,  
-33.1490, 0.5390

■ 160.7230,  
-24.0250, 0.3830

■ 170.8010,  
-15.4970, 0.0150

■ 181.1780, -6.3730,  
-0.1410

# Harmonies

## Analogous

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



92.6070, -91.2840, -8.6600



89.5570, -87.8470, 0.6410



111.9750, -14.9060, 27.8620

# Triad

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



89.5570, -87.8470, 0.6410



107.5750, 61.8930, 18.1890



88.7480, -44.6500, -38.8420

# Complementary

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



89.5570, -87.8470, 0.6410



104.4430, 87.8470, -0.6410

# 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.



100.3120, 6.6080, -31.6640



89.5570, -87.8470, 0.6410



106.8660, 55.7990, -3.5370

# Square

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



89.5570, -87.8470, 0.6410



108.6840, 51.9410, 33.3570



104.5780, 38.3340, -22.9300



87.9040, -71.1520, -32.1120



# Rectangle

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



89.5570, -87.8470, 0.6410



113.3330, 13.5650, 35.0130



104.5780, 38.3340, -22.9300



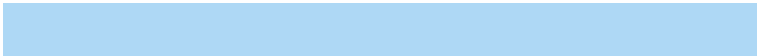
95.1760, -22.3680, -35.1680

# Sweetspot

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



89.5570, -87.8470, 0.6410



206.7480, -34.3410, 0.1150



121.1560, -73.4830, -72.4830



99.4630, -20.3570, -0.0130



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



89.5570, -87.8470, 0.6410



112.4580, -118.2450, 0.8830



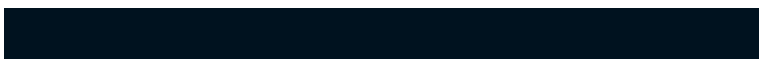
37.3140, -63.3720, 47.1880



88.9610, -4.2640, 0.1840



72.6030, -76.2930, 0.4990



14.1000, -14.9010, 0.2270



# Inverse Universe

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



72.6160, 74.1250, 71.8610



89.6710, 99.7960, 96.7240



156.6860, 63.3720, -47.1880



88.2610, 3.7590, 3.4630



57.8440, 64.3150, 62.4190



11.3210, 12.6980, 12.1700



# Previews

## White Background



This preview shows how the YIQ color 89.5570, -87.8470, 0.6410 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 × Fail



# Black Background



This preview shows how the YIQ color 89.5570, -87.8470, 0.6410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

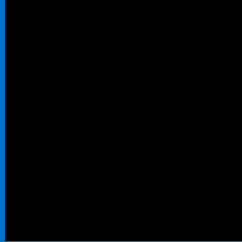
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 89.5570, -87.8470, 0.6410**

## **Background**



This preview shows how black text looks on a background with the YIQ color 89.5570, -87.8470, 0.6410.



This preview shows how white text looks on a background with the YIQ color 89.5570, -87.8470,



# 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

89.5570, -87.8470, 0.6410

### Protanopia

106.8790, -41.3590, 17.1770

### Deuteranopia

101.0550, -62.5860, 10.9020



## Tritanopia

86.4340, -75.2800, -23.3760

# Trichromacy



## Original Color

89.5570, -87.8470, 0.6410

## Protanomaly

100.5070, -58.0470, 11.2410

## Deuteranomaly

97.1570, -71.8010, 7.1990

## Tritanomaly

87.6650, -80.0040, -14.8520

# Monochromacy



## Original Color

89.5570, -87.8470, 0.6410

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

89.5310, -32.2320, 0.4400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.5570, -87.8470, 0.6410 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(6, 113, 188)` looks like.

```
.text, #text, p{  
    color:rgb(6, 113, 188)  
}
```

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(6, 113, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 113, 188) }
```

## Border

The CSS property to change the border of an element to YIQ 89.5570, -87.8470, 0.6410 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(6, 113, 188) }
```



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

```
.border{ border-color:rgb(6, 113, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 113, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 113, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 113, 188);  
box-shadow:4px 4px 4px 4px rgb(6, 113,  
188) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.5570, -87.8470, 0.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 113, 188) }
```

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

```
.background{ background-color: rgb(6, 113,  
188) }
```

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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