

Converting Colors

YIQ(96.2700, -17.6550, 17.1050)

Have a look what the booklet for
YIQ(96.2700, -17.6550, 17.1050)
contains.

YIQ(96.2700, -17.6550, 17.1050)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(96.2700, -17.6550,
17.1050)**

Conversions

Conversions Part 1

Format	Color
Hex	5A5A91
RGB	90, 90, 145
RGB Percent	35%, 35%, 57%
CMY	0.6470, 0.6471, 0.4315
CMYK	0.38, 0.38, 0.00, 0.43
HSL	240°, 23%, 46%
HSV	240°, 38%, 57%
XYZ	12.9821, 11.5299, 28.3177
YIQ	96.2700, -17.6550, 17.1050

Conversions

Conversions Part 2

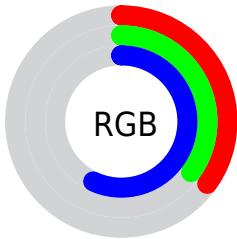
Format	Color
R_{YB}	90, 90, 145
Decimal	5921425
CIE _{Lab}	40.46, 14.14, -30.32
CIE _{LCh}	40, 33.454, 295.002
Yxy	11.5299, 0.2457, 0.2182
Android (android.graphics.Color)	4284111505 (0xFF5A5A91)
YUV	96.2700, 24.0239, -5.4988
Hunter-Lab	33.9557, 8.8224, -25.6765

Details

The YIQ color $96.2700, -17.6550, 17.1050$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $138.7300, 17.6550, -17.1050$, and the grayscale version is $96.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $147.3240, -17.7470, 18.7730$, and $49.0910, -18.7090, 14.1790$ is the 20% darker color. If you saturate the color by 10%, you get $83.8660, -22.1490, 21.4590$, and if you desaturate by 10%, it is $108.9730, -12.5650, 12.9630$.

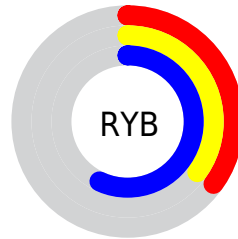
Distribution



Red (35%)

Green (35%)

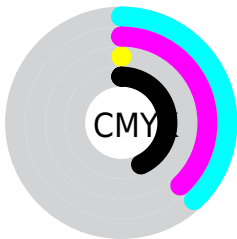
Blue (57%)



Red (35%)

Yellow (35%)

Blue (57%)

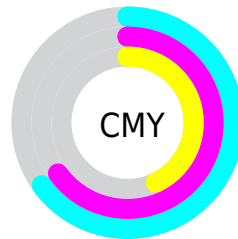


Cyan (38%)

Magenta (38%)

Yellow (0%)

Black (43%)



Cyan (65%)

Magenta (65%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 96.2700, -17.6550, 17.1050 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 96.2700, -17.6550, 17.1050 by changing the saturation by 10% instead.

■ 96.2700, -17.6550,
17.1050

■ 96.2700, -17.6550,
17.1050

■ 255.0000, -0.0000,
-0.0000

■ 72.3300, -17.8840,
15.7480

■ 147.3240,
-17.7470, 18.7730

■ 49.0910, -18.7090,
14.1790

■ 173.8510,
-17.7930, 19.6070

■ 25.9550, -21.3220,
11.9740

■ 201.2640,
-17.5180, 20.1300

■ 5.4720, -15.4080,
14.9280

■ 226.0720, -8.5300,
11.4220

■ 3.5510, -8.6210,
7.5630

■ 251.7660, 0.7790,
2.4030

■ 0.0000, 0.0000,
0.0000

■ 96.2700, -17.6550,
17.1050

■ 96.2700, -17.6550,
17.1050

■ 83.8660, -22.1490,
21.4590

■ 108.9730,
-12.5650, 12.9630

■ 70.5760, -26.9640,
26.1240

■ 121.9640, -8.3460,
8.0860

■ 58.1720, -31.4580,
30.4780

■ 134.3680, -3.8520,
3.7320

■ 44.8820, -36.2730,
35.1430

■ 147.6580, 0.9630,
-0.9330

■ 32.4780, -40.7670,
39.4970

■ 160.0620, 5.4570,
-5.2870

■ 19.1880, -45.5820,
44.1620

■ 173.3520, 10.2720,
-9.9520

■ 16.5300, -46.5450,
45.0950

■ 185.7560, 14.7660,
-14.3060

■ 199.0460, 19.5810,

-18.9710

■ 211.4500, 24.0750,
-23.3250

Harmonies

Analogous

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



85.0690, -57.1740, 0.9220



96.2700, -17.6550, 17.1050



98.2260, 12.0080, 24.6800

Triad

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



96.2700, -17.6550, 17.1050



94.6120, 42.1350, 1.8070



74.2430, -58.8650, -29.0170

Complementary

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



96.2700, -17.6550, 17.1050



138.7300, 17.6550, -17.1050

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.



85.8490, -16.5930, -24.1850



96.2700, -17.6550, 17.1050



92.8350, 30.7210, -11.6070

Square

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



96.2700, -17.6550, 17.1050



95.5280, 42.9120, 15.2640



90.9140, 11.1450, -20.2710



77.4350, -67.8530, -20.3090

Rectangle

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



96.2700, -17.6550, 17.1050



97.5390, 27.1840, 24.9760



90.9140, 11.1450, -20.2710



78.4960, -43.4600, -27.3640

Sweetspot

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



96.2700, -17.6550, 17.1050



170.3940, -6.7410, 6.5310



128.5550, -32.7800, -11.6600



83.3680, -3.8520, 3.7320



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



96.2700, -17.6550, 17.1050



111.9180, -27.9270, 27.0570



104.3430, -1.5630, 22.8290



64.7980, -2.2470, 2.1770



15.3900, -43.3350, 41.9850



0.9120, -2.5680, 2.4880

Inverse Universe

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



112.7150, 15.1250, 28.7650



137.9310, 23.9250, 45.5010



130.3580, 0.9670, -23.0410



66.8910, 1.9250, 3.6610



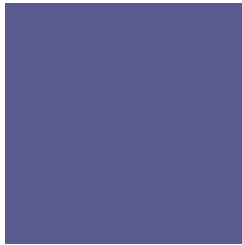
55.7550, 37.1250, 70.6050



3.3040, 2.2000, 4.1840

Previews

White Background



This preview shows how the YIQ color 96.2700, -17.6550, 17.1050 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 96.2700, -17.6550, 17.1050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

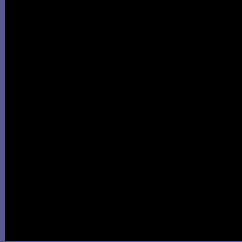
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 96.2700, -17.6550, 17.1050

Background



This preview shows how black text looks on a background with the YIQ color 96.2700, -17.6550, 17.1050.

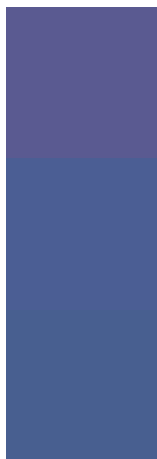


This preview shows how white text looks on a background with the YIQ color 96.2700, -17.6550,

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

96.2700, -17.6550, 17.1050

Protanopia

94.4750, -28.6580, 12.7660

Deuteranopia

93.7090, -29.4370, 10.3630



Tritanopia

93.8290, -12.7000, -1.1160

Trichromacy



Original Color

96.2700, -17.6550, 17.1050

Protanomaly

95.2690, -25.0820, 14.0380

Deuteranomaly

94.6280, -24.7150, 12.8930

Tritanomaly

94.5610, -14.5810, 5.4430

Monochromacy



Original Color

96.2700, -17.6550, 17.1050

Achromatopsia

96.0000, -0.0000, 0.0000

Achromatomaly

96.2800, -6.4200, 6.2200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 96.2700, -17.6550, 17.1050 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(90, 90, 145)` looks like.

```
.text, #text, p{  
    color:rgb(90, 90, 145)  
}
```

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(90, 90, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 90, 145) }
```

Border

The CSS property to change the border of an element to YIQ 96.2700, -17.6550, 17.1050 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(90, 90, 145) }
```


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

```
.border{ border-color:rgb(90, 90, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 90, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 90, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 90, 145);  
box-shadow:4px 4px 4px 4px rgb(90, 90,  
145) }
```

Background

The CSS property to change the background color of an element to YIQ 96.2700, -17.6550, 17.1050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 90, 145) }
```

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

```
.background{ background-color: rgb(90, 90,  
145) }
```

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