

Converting Colors

YIQ(156.7140, -63.3640, 2.9720)

Have a look what the booklet for
YIQ(156.7140, -63.3640, 2.9720)
contains.

YIQ(156.7140, -63.3640, 2.9720)	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(156.7140, -63.3640,
2.9720)**

Conversions

Conversions Part 1

Format	Color
Hex	62ACE8
RGB	98, 172, 232
RGB Percent	38%, 67%, 91%
CMY	0.6158, 0.3254, 0.0905
CMYK	0.58, 0.26, 0.00, 0.09
HSL	207°, 74%, 65%
HSV	207°, 58%, 91%
XYZ	34.3464, 37.9335, 81.7990
YIQ	156.7140, -63.3640, 2.9720

Conversions

Conversions Part 2

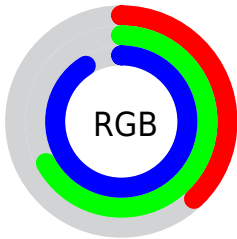
Format	Color
R_{YB}	98, 146, 232
Decimal	6466792
CIE _{Lab}	67.97, -5.81, -37.03
CIE _{LCh}	68, 37.488, 261.085
Yxy	37.9335, 0.2229, 0.2462
Android (android.graphics.Color)	4284656872 (0xFF62ACE8)
YUV	156.7140, 37.1160, -51.4922
Hunter-Lab	61.5902, -8.2407, -35.6309

Details

The YIQ color **156.7140, -63.3640, 2.9720** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **173.2860, 63.3640, -2.9720**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **209.2620, -50.7080, -6.1320**, and **97.9790, -74.5960, -2.7240** is the 20% darker color. If you saturate the color by 10%, you get **143.9670, -74.3220, 3.3260**, and if you desaturate by 10%, it is **169.4610, -52.4060, 2.6180**.

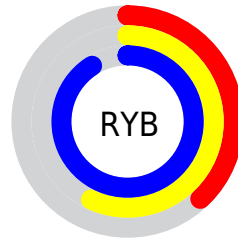
Distribution



Red (38%)

Green (67%)

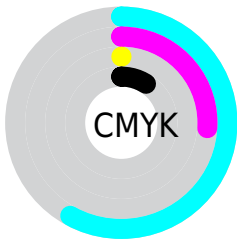
Blue (91%)



Red (38%)

Yellow (57%)

Blue (91%)

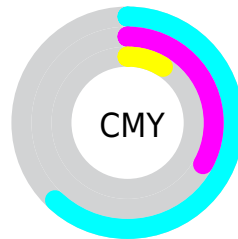


Cyan (58%)

Magenta (26%)

Yellow (0%)

Black (9%)



Cyan (62%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 156.7140, -63.3640, 2.9720 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 156.7140, -63.3640, 2.9720 by changing the saturation by 10% instead.

■ 156.7140,
-63.3640, 2.9720

■ 156.7140,
-63.3640, 2.9720

■ 255.0000, -0.0000,
-0.0000

■ 128.6920,
-66.2980, 1.0780

■ 209.2620,
-50.7080, -6.1320

■ 97.9790, -74.5960,
-2.7240

■ 234.6680,
-40.5280, -14.4160

■ 72.7510, -73.9540,
-3.3460

■ 243.6380,
-22.6480, -8.0560

■ 56.2860, -59.2830,
0.5970

■ 252.6080, -4.7680,
-1.6960

■ 40.5220, -45.2080,
4.3280

■ 25.4590, -31.7290,
7.8470

■ 8.1620, -17.4710,

13.7690

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 156.7140,
-63.3640, 2.9720

■ 156.7140,
-63.3640, 2.9720

■ 143.9670,
-74.3220, 3.3260

■ 169.4610,
-52.4060, 2.6180

■ 130.6330,
-85.0050, 4.2030

■ 182.7950,
-41.7230, 1.7410

■ 117.5870,
-96.5590, 4.3450

■ 195.8410,
-30.1690, 1.5990

■ 104.8400,
-107.5170, 4.6990

■ 209.1750,
-19.4860, 0.7220

■ 101.5840,
-109.6720, 5.2080

■ 221.9220, -8.5280,
0.3680

■ 234.6690, 2.4300,
0.0140

■ 246.5080, 10.1330,
-1.9230

■ 252.3780, 7.3830,
-7.1530

Harmonies

Analogous

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



139.9660, -100.0850, -19.8690



156.7140, -63.3640, 2.9720



166.9580, -25.4040, 19.8760

Triad

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



156.7140, -63.3640, 2.9720



167.8500, 53.8690, 20.4370



156.3560, -13.8870, -29.1750

Complementary

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



156.7140, -63.3640, 2.9720



173.2860, 63.3640, -2.9720

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.



160.9270, 18.2980, -23.2540



156.7140, -63.3640, 2.9720



165.9510, 54.4220, 4.9020

Square

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



156.7140, -63.3640, 2.9720



169.6330, 38.7830, 29.5270



164.1090, 41.6330, -11.1270



148.8970, -52.0790, -30.8550

Rectangle

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



156.7140, -63.3640, 2.9720



169.5760, -0.6010, 27.4230



164.1090, 41.6330, -11.1270



158.0430, -2.7000, -28.1720

Sweetspot

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



156.7140, -63.3640, 2.9720



230.9900, -20.4030, 0.8210



183.2700, -55.4680, -52.0440



113.1820, -12.1960, 0.7640



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.



156.7140, -63.3640, 2.9720



156.0030, -83.1710, 4.0050



118.5590, -45.4890, 36.9670



108.4770, -5.7770, 0.0710



78.5190, -84.6840, 3.8920



22.2500, -24.0710, 1.2170

Inverse Universe

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



146.5020, 56.1100, 51.4220



142.6820, 73.7590, 67.4790



211.4410, 45.4890, -36.9670



107.3860, 4.9050, 4.7210



64.8070, 74.9050, 68.7370



18.4410, 21.4080, 19.5200

Previews

White Background



This preview shows how the YIQ color 156.7140, -63.3640, 2.9720 looks on a white background.

Color Contrast Check

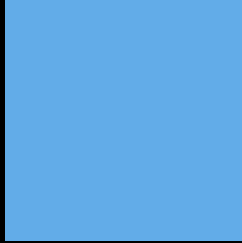
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 156.7140, -63.3640, 2.9720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

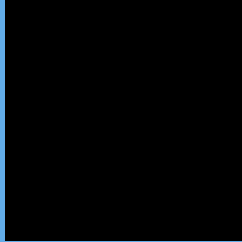
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 156.7140, -63.3640, 2.9720

Background



This preview shows how black text looks on a background with the YIQ color 156.7140, -63.3640, 2.9720.

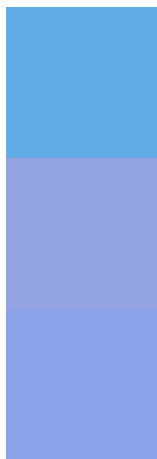


This preview shows how white text looks on a background with the YIQ color 156.7140, -63.3640,

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

156.7140, -63.3640, 2.9720

Protanopia

165.2840, -29.4380, 15.8900

Deuteranopia

163.9180, -37.0950, 16.9930



Tritanopia

151.7070, -62.6270, -15.8990

Trichromacy



Original Color

156.7140, -63.3640, 2.9720

Protanomaly

162.0050, -41.9540, 11.4380

Deuteranomaly

161.0800, -46.5390, 11.9330

Tritanomaly

153.3360, -62.7200, -8.7040

Monochromacy



Original Color

156.7140, -63.3640, 2.9720

Achromatopsia

157.0000, 0.0000, -0.0000

Achromatomaly

156.7340, -22.5580, 1.3300

CSS Examples

Text

The CSS property to change the color of the text to YIQ 156.7140, -63.3640, 2.9720 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(98, 172, 232)` looks like.

```
.text, #text, p{  
    color:rgb(98, 172, 232)  
}
```

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(98, 172, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 172, 232) }
```

Border

The CSS property to change the border of an element to YIQ 156.7140, -63.3640, 2.9720 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(98, 172, 232) }
```


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

```
.border{ border-color:rgb(98, 172, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 172, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 172, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 172, 232);  
box-shadow:4px 4px 4px 4px rgb(98, 172,  
232) }
```

Background

The CSS property to change the background color of an element to YIQ 156.7140, -63.3640, 2.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 172, 232) }
```

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

```
.background{ background-color: rgb(98, 172,  
232) }
```

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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