

Converting Colors

YIQ(98.1940, -65.1960, -7.8840)

Have a look what the booklet for
YIQ(98.1940, -65.1960, -7.8840)
contains.

YIQ(98.1940, -65.1960, -7.8840)	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(98.1940, -65.1960,
-7.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	1F799D
RGB	31, 121, 157
RGB Percent	12%, 47%, 62%
CMY	0.8786, 0.5253, 0.3846
CMYK	0.80, 0.23, 0.00, 0.38
HSL	197°, 67%, 37%
HSV	197°, 80%, 62%
XYZ	13.4851, 16.4063, 34.3216
YIQ	98.1940, -65.1960, -7.8840

Conversions

Conversions Part 2

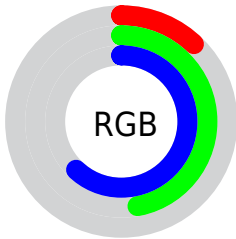
Format	Color
R_{YB}	31, 84, 157
Decimal	2062749
CIE _{Lab}	47.50, -12.94, -26.62
CIE _{LCh}	48, 29.602, 244.080
Yxy	16.4063, 0.2100, 0.2555
Android (android.graphics.Color)	4280252829 (0xFF1F799D)
YUV	98.1940, 28.9914, -58.9291
Hunter-Lab	40.5047, -11.4557, -21.8859

Details

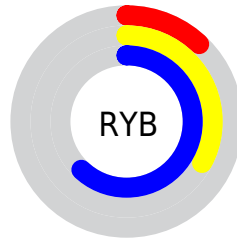
The YIQ color **98.1940, -65.1960, -7.8840** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **89.8060, 65.1960, 7.8840**, and the grayscale version is **98.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **154.7220, -57.8150, -3.9830**, and **54.3480, -53.8260, -4.6900** is the 20% darker color. If you saturate the color by 10%, you get **91.0620, -73.6320, -9.1840**, and if you desaturate by 10%, it is **105.9130, -57.0350, -7.1070**.

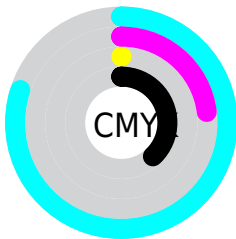
Distribution



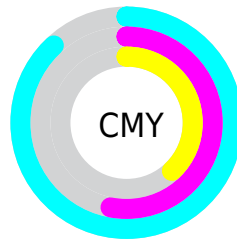
- Red (12%)
- Green (47%)
- Blue (62%)



- Red (12%)
- Yellow (33%)
- Blue (62%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (88%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 98.1940, -65.1960, -7.8840 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 98.1940, -65.1960, -7.8840 by changing the saturation by 10% instead.

■ 98.1940, -65.1960,
-7.8840

■ 98.1940, -65.1960,
-7.8840

■ 255.0000, -0.0000,
-0.0000

■ 71.2860, -68.4510,
-9.4670

■ 154.7220,
-57.8150, -3.9830

■ 54.2340, -53.5050,
-5.0010

■ 183.0210,
-57.2190, -3.7710

■ 38.5840, -39.7510,
-0.9590

■ 209.8380,
-52.4500, -7.6020

■ 24.2220, -26.8680,
2.3480

■ 233.7710,
-42.3160, -15.0520

■ 5.2780, -12.1060,
10.1500

■ 242.4420,
-25.0320, -8.9040

■ 1.3680, -3.8520,
3.7320

■ 251.4120, -7.1520,

■ 0.0000, 0.0000,

-2.5440

0.0000

■ 98.1940, -65.1960,
-7.8840

■ 98.1940, -65.1960,
-7.8840

■ 91.0620, -73.6320,
-9.1840

■ 105.9130,
-57.0350, -7.1070

■ 83.6420, -81.1970,
-9.7490

■ 112.7460,
-49.1950, -6.0190

■ 119.8780,
-40.7590, -4.7190

■ 127.5970,
-32.5980, -3.9420

■ 134.4300,
-24.7580, -2.8540

■ 142.1490,
-16.5970, -2.0770

■ 149.2810, -8.1610,
-0.7770

■ 157.0000, 0.0000,
-0.0000

■ 163.8330, 7.8400,
1.0880

Harmonies

Analogous

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



89.3350, -79.3150, -21.8350



98.1940, -65.1960, -7.8840



109.6050, -35.0760, 7.9320

Triad

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



98.1940, -65.1960, -7.8840



114.9710, 34.4750, 19.4910



107.4340, 3.8090, -19.4790

Complementary

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



98.1940, -65.1960, -7.8840



89.8060, 65.1960, 7.8840

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.



110.4860, 24.3940, -12.5820



98.1940, -65.1960, -7.8840



113.6970, 40.7580, 10.2460

Square

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



98.1940, -65.1960, -7.8840



116.2820, 17.6020, 22.4180



112.7530, 37.1840, -2.0800



103.3800, -22.4620, -22.4460

Rectangle

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



98.1940, -65.1960, -7.8840



113.7000, -16.0500, 15.5500



112.7530, 37.1840, -2.0800



108.4950, 11.0070, -17.7690

Sweetspot

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



98.1940, -65.1960, -7.8840



181.1310, -25.3540, -3.0660



109.0660, -46.2060, -54.7020



88.3340, -15.6800, -2.1760



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



98.1940, -65.1960, -7.8840



112.5240, -101.4160, -12.2640



61.2130, -47.8710, 25.0650



75.4340, -4.2180, -0.6500



76.1760, -73.9530, -8.8730



8.1670, -7.8400, -1.0880

Inverse Universe

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



78.9340, 46.2060, 54.7020



82.5640, 71.8760, 85.0920



126.7870, 47.8710, -25.0650



74.0760, 2.8420, 3.5620



54.3850, 52.4860, 62.0380



5.7390, 5.4090, 6.6010

Previews

White Background



This preview shows how the YIQ color 98.1940, -65.1960, -7.8840 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 98.1940, -65.1960, -7.8840 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 98.1940, -65.1960, -7.8840

Background



This preview shows how black text looks on a background with the YIQ color 98.1940, -65.1960, -7.8840.



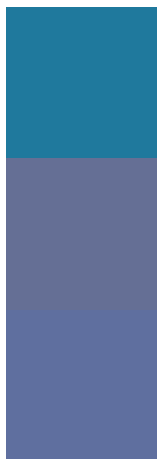
This preview shows how white text looks on a background with the YIQ color 98.1940, -65.1960,

-7.8840.

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

98.1940, -65.1960, -7.8840

Protanopia

112.3420, -18.1580, 9.6980

Deuteranopia

111.6880, -24.9440, 11.5360



Tritanopia

88.7650, -77.7100, -23.3900

Trichromacy



Original Color

98.1940, -65.1960, -7.8840

Protanomaly

107.5570, -35.1210, 3.2390

Deuteranomaly

107.0450, -39.4310, 4.2570

Tritanomaly

92.3790, -73.4470, -18.0470

Monochromacy



Original Color

98.1940, -65.1960, -7.8840

Achromatopsia

98.0000, -0.0000, -0.0000

Achromatomaly

97.9140, -23.2450, -2.7410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 98.1940, -65.1960, -7.8840 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(31, 121, 157)` looks like.

```
.text, #text, p{  
    color:rgb(31, 121, 157)  
}
```

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(31, 121, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 121, 157) }
```

Border

The CSS property to change the border of an element to YIQ 98.1940, -65.1960, -7.8840 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(31, 121, 157) }
```


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

```
.border{ border-color:rgb(31, 121, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 121, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 121, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 121, 157);  
box-shadow:4px 4px 4px 4px rgb(31, 121,  
157) }
```

Background

The CSS property to change the background color of an element to YIQ 98.1940, -65.1960, -7.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 121, 157) }
```

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

```
.background{ background-color: rgb(31, 121,  
157) }
```

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