

Converting Colors

YIQ(187.8640, -64.5070,
-14.8670)

Have a look what the booklet for
YIQ(187.8640, -64.5070, -14.8670)
contains.

YIQ(187.8640, -64.5070, -14.8670)	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(187.8640, -64.5070,
-14.8670)**

Conversions

Conversions Part 1

Format	Color
Hex	75D7EA
RGB	117, 215, 234
RGB Percent	46%, 84%, 92%
CMY	0.5414, 0.1567, 0.0826
CMYK	0.50, 0.08, 0.00, 0.08
HSL	190°, 74%, 69%
HSV	190°, 50%, 92%
XYZ	46.4808, 58.3364, 86.6002
YIQ	187.8640, -64.5070, -14.8670

Conversions

Conversions Part 2

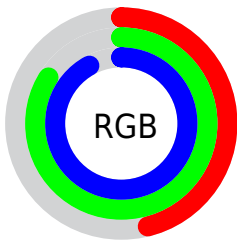
Format	Color
RYB	117, 170, 234
Decimal	7722986
CIELab	80.93, -23.86, -18.19
CIElCh	81, 30.000, 217.326
Yxy	58.3364, 0.2428, 0.3048
Android (android.graphics.Color)	4285913066 (0xFF75D7EA)
YUV	187.8640, 22.7450, -62.1477
Hunter-Lab	76.3783, -25.0339, -13.7601

Details

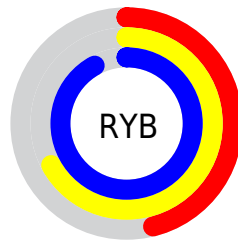
The YIQ color **187.8640, -64.5070, -14.8670** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **163.1360, 64.5070, 14.8670**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **231.3790, -47.0840, -16.7480**, and **130.3580, -68.9540, -16.8740** is the 20% darker color. If you saturate the color by 10%, you get **178.6390, -77.1150, -17.6510**, and if you desaturate by 10%, it is **197.0890, -51.8990, -12.0830**.

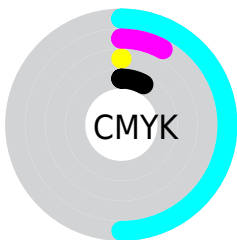
Distribution



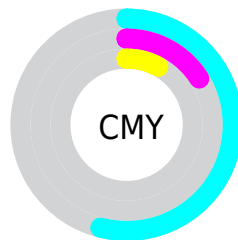
- Red (46%)
- Green (84%)
- Blue (92%)



- Red (46%)
- Yellow (67%)
- Blue (92%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (54%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 187.8640, -64.5070, -14.8670 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 187.8640, -64.5070, -14.8670 by changing the saturation by 10% instead.

■ 187.8640,
-64.5070, -14.8670

■ 187.8640,
-64.5070, -14.8670

■ 255.0000, -0.0000,
-0.0000

■ 159.2660,
-65.6990, -15.2910

■ 231.3790,
-47.0840, -16.7480

■ 130.3580,
-68.9540, -16.8740

■ 240.0500,
-29.8000, -10.6000

■ 95.8720, -85.3210,
-23.1210

■ 249.0200,
-11.9200, -4.2400

■ 77.7600, -70.1460,
-17.2980

■ 60.8220, -55.5210,
-12.5210

■ 43.9980, -41.2170,
-7.4330

■ 28.4620, -27.7840,

-3.0800

■ 8.4580, -12.7930,
6.0790

■ 0.6840, -1.9260,
1.8660

■ 187.8640,
-64.5070, -14.8670

■ 187.8640,
-64.5070, -14.8670

■ 178.6390,
-77.1150, -17.6510

■ 197.0890,
-51.8990, -12.0830

■ 169.1150,
-90.3190, -20.6470

■ 206.6130,
-38.6950, -9.0870

■ 160.4770,
-103.2020, -23.9540

■ 215.2510,
-25.8120, -5.7800

■ 150.9530,
-116.4060, -26.9500

■ 224.7750,
-12.6080, -2.7840

■ 141.7280,
-129.0140, -29.7340

■ 234.0000, -0.0000,
0.0000

■ 242.6270, 11.4160,
2.3600

■ 244.3880, 10.5910,
0.7910

■ 246.7360, 9.4910,
-1.3010

■ 249.0840, 8.3910,
-3.3930

Harmonies

Analogous

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



188.3520, -51.6220, -22.6140



187.8640, -64.5070, -14.8670



193.2600, -56.3940, -2.2020

Triad

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



187.8640, -64.5070, -14.8670



205.5000, 22.9200, 25.1600



198.5030, 25.7240, -14.6600

Complementary

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



187.8640, -64.5070, -14.8670



163.1360, 64.5070, 14.8670

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.



201.5640, 42.0900, -2.8860



187.8640, -64.5070, -14.8670



204.1350, 39.8850, 20.5650

Square

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



187.8640, -64.5070, -14.8670



204.1470, -3.9470, 21.9810



203.4050, 47.4520, 10.0760



195.1840, 1.5170, -21.9950

Rectangle

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



187.8640, -64.5070, -14.8670



197.2560, -41.4030, 6.9570



203.4050, 47.4520, 10.0760



199.7320, 32.5090, -10.9710

Sweetspot

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



187.8640, -64.5070, -14.8670



240.1160, -20.9980, -4.9180



187.6170, -37.6320, -55.9040



118.7750, -12.6080, -2.7840



0.0000, 0.0000, 0.0000



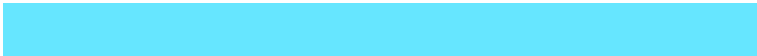
128.0000, -0.0000, -0.0000

Same Dimension

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



187.8640, -64.5070, -14.8670



194.5780, -84.3130, -19.3610



154.4050, -48.8320, 14.9440



112.5370, -6.0060, -1.2860



109.8580, -99.9010, -23.2050



32.5710, -29.7090, -6.7410

Inverse Universe

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



163.1550, 38.2740, 55.2820



162.3390, 50.1000, 72.2440



196.5950, 48.8320, -14.9440



110.3150, 3.6670, 5.1310



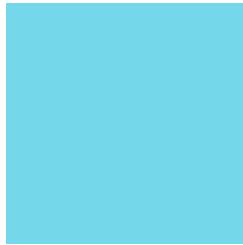
71.4470, 59.0840, 85.6440



21.2760, 17.7390, 25.4430

Previews

White Background



This preview shows how the YIQ color 187.8640, -64.5070, -14.8670 looks on a white background.

Color Contrast Check

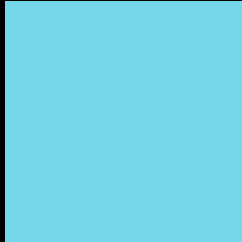
Large Text (above 18pt) WCAG AA × Fail

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 187.8640, -64.5070, -14.8670 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 187.8640, -64.5070, -14.8670 Background



This preview shows how black text looks on a background with the YIQ color 187.8640, -64.5070, -14.8670.



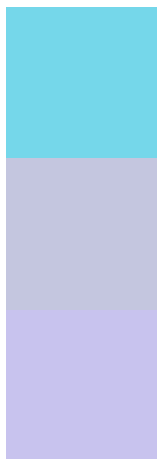
This preview shows how white text looks on a background with the YIQ color 187.8640, -64.5070, -14.8670.

-14.8670.

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

187.8640, -64.5070, -14.8670

Protanopia

200.2520, -9.2170, 7.3510

Deuteranopia

201.3970, -10.8230, 14.4330



Tritanopia

187.7500, -64.1860, -15.1780

Trichromacy



Original Color

187.8640, -64.5070, -14.8670

Protanomaly

195.5590, -29.4350, -0.6910

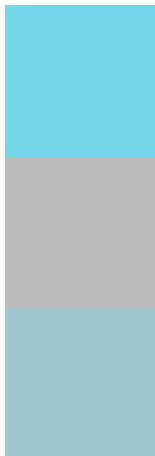
Deuteranomaly

196.4220, -30.3070, 4.1010

Tritanomaly

187.7500, -64.1860, -15.1780

Monochromacy



Original Color

187.8640, -64.5070, -14.8670

Achromatopsia

188.0000, 0.0000, 0.0000

Achromatomaly

188.0340, -23.7030, -5.4550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 187.8640, -64.5070, -14.8670 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(117, 215, 234)` looks like.

```
.text, #text, p{  
    color:rgb(117, 215, 234)  
}
```

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(117, 215, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 215, 234) }
```

Border

The CSS property to change the border of an element to YIQ 187.8640, -64.5070, -14.8670 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(117, 215, 234) }
```


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

```
.border{ border-color:rgb(117, 215, 234) }
```

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

Here you see how a box with a 4 pixel rgb(117, 215, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 215, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 215, 234);  
box-shadow:4px 4px 4px 4px rgb(117, 215,  
234) }
```

Background

The CSS property to change the background color of an element to YIQ 187.8640, -64.5070, -14.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 215, 234) }
```

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

```
.background{ background-color: rgb(117,  
215, 234) }
```

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