

Converting Colors

YIQ(170.7980, -64.1410,
-10.4850)

Have a look what the booklet for
YIQ(170.7980, -64.1410, -10.4850)
contains.

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Color

**YIQ(170.7980, -64.1410,
-10.4850)**

Conversions

Conversions Part 1

Format	Color
Hex	67C3E0
RGB	103, 195, 224
RGB Percent	40%, 76%, 88%
CMY	0.5963, 0.2351, 0.1218
CMYK	0.54, 0.13, 0.00, 0.12
HSL	194°, 66%, 64%
HSV	194°, 54%, 88%
XYZ	38.5564, 47.3061, 77.5696
YIQ	170.7980, -64.1410, -10.4850

Conversions

Conversions Part 2

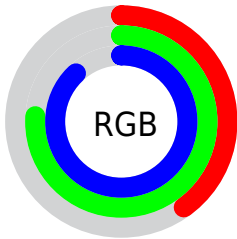
Format	Color
R _Y B	103, 155, 224
Decimal	6800352
CIE Lab	74.39, -19.46, -22.79
CIE LCh	74, 29.966, 229.504
Yxy	47.3061, 0.2359, 0.2895
Android (android.graphics.Color)	4284990432 (0xFF67C3E0)
YUV	170.7980, 26.2286, -59.4588
Hunter-Lab	68.7794, -20.3004, -18.7218

Details

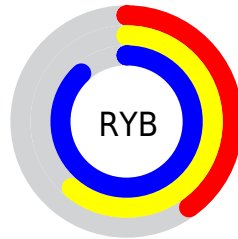
The YIQ color **170.7980, -64.1410, -10.4850** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **156.2020, 64.1410, 10.4850**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **225.4320, -54.6030, -18.1470**, and **112.7970, -71.5680, -13.5520** is the 20% darker color. If you saturate the color by 10%, you get **161.2850, -75.8780, -12.5340**, and if you desaturate by 10%, it is **180.3110, -52.4040, -8.4360**.

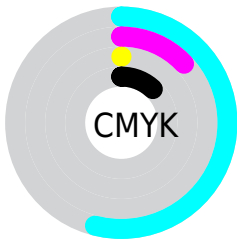
Distribution



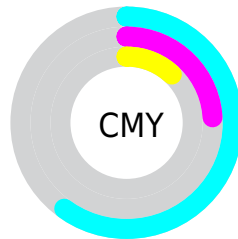
- Red (40%)
- Green (76%)
- Blue (88%)



- Red (40%)
- Yellow (61%)
- Blue (88%)



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)



- Cyan (60%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 170.7980, -64.1410, -10.4850 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 170.7980, -64.1410, -10.4850 by changing the saturation by 10% instead.

■ 170.7980,
-64.1410, -10.4850

■ 170.7980,
-64.1410, -10.4850

■ 255.0000, -0.0000,
-0.0000

■ 142.4880,
-66.2040, -11.6440

■ 225.4320,
-54.6030, -18.1470

■ 112.7970,
-71.5680, -13.5520

■ 235.8640,
-38.1440, -13.5680

■ 84.2800, -77.4820,
-16.5060

■ 244.8340,
-20.2640, -7.2080

■ 66.6410, -62.2610,
-11.5170

■ 253.8040, -2.3840,
-0.8480

■ 49.8170, -47.9570,
-6.4290

■ 34.1670, -34.2030,
-2.3870

■ 20.5060, -21.9160,

0.7080

■ 3.4370, -8.3000,
7.2520

■ 0.0000, 0.0000,
0.0000

■ 170.7980,
-64.1410, -10.4850

■ 170.7980,
-64.1410, -10.4850

■ 161.2850,
-75.8780, -12.5340

■ 180.3110,
-52.4040, -8.4360

■ 150.8860,
-87.9360, -14.2720

■ 190.7100,
-40.3460, -6.6980

■ 141.3730,
-99.6730, -16.3210

■ 200.2230,
-28.6090, -4.6490

■ 131.5610,
-112.0060, -18.5820

■ 210.0350,
-16.2760, -2.3880

■ 125.3260,
-118.6540, -19.2460

■ 220.1350, -4.8140,
-0.8620

■ 229.6480, 6.9230,
1.1870

■ 237.9650, 16.2760,
2.3880

■ 241.4870, 14.6260,
-0.7500

■ 244.4220, 13.2510,
-3.3650

Harmonies

Analogous

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



168.6270, -59.6460, -20.3660



170.7980, -64.1410, -10.4850



177.4400, -47.9130, 3.7910

Triad

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



170.7980, -64.1410, -10.4850



187.4530, 30.3020, 23.5340



179.7190, 16.1880, -18.0520

Complementary

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



170.7980, -64.1410, -10.4850



156.2020, 64.1410, 10.4850

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.



182.5800, 35.9930, -8.0310



170.7980, -64.1410, -10.4850



186.0660, 44.3330, 17.0450

Square

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



170.7980, -64.1410, -10.4850



187.2470, 7.5150, 23.5070



184.4600, 45.6190, 4.7470



176.2690, -9.0280, -23.6200

Rectangle

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



170.7980, -64.1410, -10.4850



182.2790, -31.0420, 11.9180



184.4600, 45.6190, 4.7470



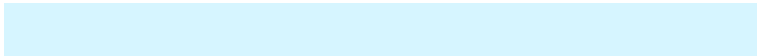
180.6060, 23.9360, -15.2960

Sweetspot

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



170.7980, -64.1410, -10.4850



236.8710, -21.6860, -3.4620



177.2190, -42.2630, -54.5750



117.0030, -13.2500, -2.1620



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.



170.7980, -64.1410, -10.4850



181.8860, -87.9360, -14.2720



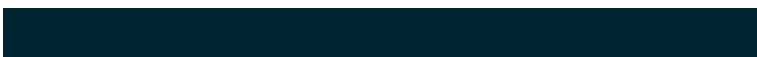
135.5780, -47.6410, 20.8950



107.5370, -6.0060, -1.2860



98.7220, -93.3460, -15.3460



27.1910, -25.5830, -4.4230

Inverse Universe

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



149.6670, 42.5840, 54.2640



152.9980, 58.4900, 74.3780



191.4220, 47.6410, -20.8950



105.3150, 3.6670, 5.1310



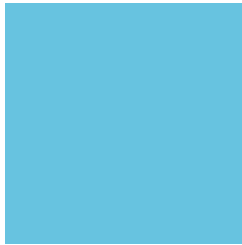
67.9000, 61.8820, 78.9860



18.5700, 16.7310, 21.6830

Previews

White Background



This preview shows how the YIQ color 170.7980, -64.1410, -10.4850 looks on a white background.

Color Contrast Check

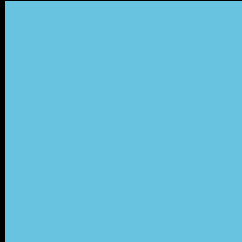
Large Text (above 18pt) WCAG AA × Fail

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 170.7980, -64.1410, -10.4850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

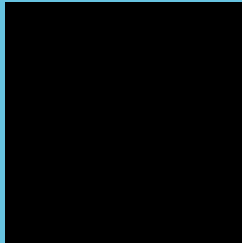
Any Text WCAG AA ✓ Pass

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 170.7980, -64.1410, -10.4850 Background



This preview shows how black text looks on a background with the YIQ color 170.7980, -64.1410, -10.4850.



This preview shows how white text looks on a background with the YIQ color 170.7980, -64.1410, -10.4850.

-10.4850.

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

170.7980, -64.1410, -10.4850

Protanopia

182.3810, -13.8940, 9.5140

Deuteranopia

183.1020, -17.2420, 15.1260



Tritanopia

169.5220, -63.5440, -15.8000

Trichromacy



Original Color

170.7980, -64.1410, -10.4850

Protanomaly

177.9980, -32.0490, 2.6310

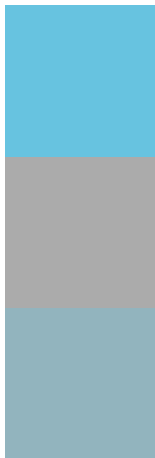
Deuteranomaly

178.4370, -34.6630, 5.9530

Tritanomaly

169.6900, -63.9570, -13.8210

Monochromacy



Original Color

170.7980, -64.1410, -10.4850

Achromatopsia

171.0000, -0.0000, -0.0000

Achromatomaly

170.9740, -23.4740, -4.0980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 170.7980, -64.1410, -10.4850 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(103, 195, 224)` looks like.

```
.text, #text, p{  
    color:rgb(103, 195, 224)  
}
```

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(103, 195, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 195, 224) }
```

Border

The CSS property to change the border of an element to YIQ 170.7980, -64.1410, -10.4850 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

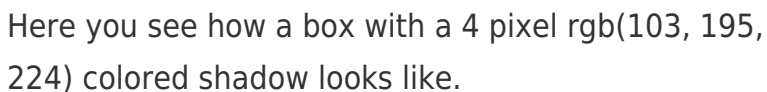
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 195, 224) }
```


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

```
.border{ border-color:rgb(103, 195, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 195, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 195, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 195, 224);  
box-shadow:4px 4px 4px 4px rgb(103, 195,  
224) }
```

Background

The CSS property to change the background color of an element to YIQ 170.7980, -64.1410, -10.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 195, 224) }
```

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

```
.background{ background-color: rgb(103,  
195, 224) }
```

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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