

# Converting Colors

YIQ(232.4080, -27.6920,  
-4.7480)

Have a look what the booklet for  
YIQ(232.4080, -27.6920, -4.7480)  
contains.

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# Color

**YIQ(232.4080, -27.6920,  
-4.7480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF3FF
RGB	203, 243, 255
RGB Percent	80%, 95%, 100%
CMY	0.2040, 0.0470, 0.0001
CMYK	0.20, 0.05, 0.00, 0.00
HSL	194°, 100%, 90%
HSV	194°, 20%, 100%
XYZ	74.7233, 84.0227, 106.8618
YIQ	232.4080, -27.6920, -4.7480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 226, 255
Decimal	13366271
CIE <sub>Lab</sub>	93.46, -10.34, -10.03
CIE <sub>LCh</sub>	93, 14.408, 224.120
Yxy	84.0227, 0.2813, 0.3163
Android (android.graphics.Color)	4291556351 (0xFFC <sub>B</sub> F3FF)
YUV	232.4080, 11.1379, -25.7908
Hunter-Lab	91.6639, -14.9008, -4.9556

# Details

The YIQ color  $232.4080, -27.6920, -4.7480$  is a light color, and the websafe version is hex  $CCFFFF$ . A complement of this color would be  $225.5920, 27.6920, 4.7480$ , and the grayscale version is  $232.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $176.5930, -26.7750, -4.8470$  is the 20% darker color. If you saturate the color by 10%, you get  $221.1120, -41.5380, -7.1220$ , and if you desaturate by 10%, it is  $243.4050, -14.4420, -2.5860$ .

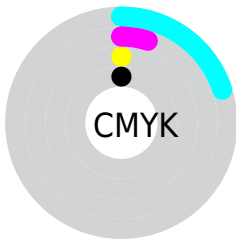
# Distribution



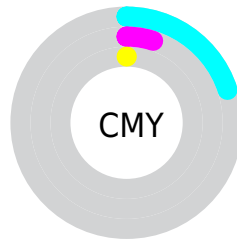
- Red (80%)
- Green (95%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 232.4080, -27.6920, -4.7480 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 232.4080, -27.6920, -4.7480 by changing the saturation by 10% instead.



■ 232.4080,  
-27.6920, -4.7480

■ 232.4080,  
-27.6920, -4.7480

■ 255.0000, -0.0000,  
-0.0000

■ 204.2940,  
-27.3710, -5.0590

■ 176.5930,  
-26.7750, -4.8470

■ 149.8920,  
-26.1790, -4.6350

■ 123.7780,  
-25.8580, -4.9460

■ 98.1910, -25.5830,  
-4.4230

■ 73.7780, -25.8580,  
-4.9460

■ 50.1800, -27.0500,

-5.3700

■ 28.3650, -26.1330,  
-5.4690

■ 14.2310, -13.8920,  
-1.5400

■ 232.4080,  
-27.6920, -4.7480

■ 232.4080,  
-27.6920, -4.7480

■ 221.1120,  
-41.5380, -7.1220

■ 243.4050,  
-14.4420, -2.5860

■ 210.1150,  
-54.7880, -9.2840

254.7010, -0.5960,  
-0.2120

■ 198.8190,  
-68.6340, -11.6580

255.0000, -0.0000,  
-0.0000

■ 188.4090,  
-82.1590, -14.3430

■ 177.1130,  
-96.0050, -16.7170

■ 166.1160,  
-109.2550, -18.8790

■ 155.1190,  
-122.5050, -21.0410

■ 144.1220,  
-135.7550, -23.2030

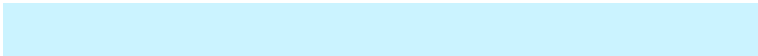
# Harmonies

## Analogous

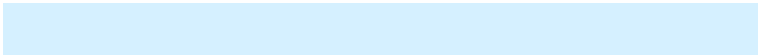
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231.8010, -24.6650, -10.0490



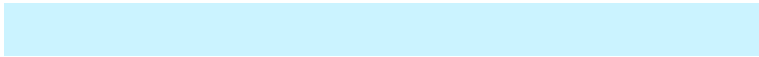
232.4080, -27.6920, -4.7480



233.6370, -20.9070, -1.0590

# Triad

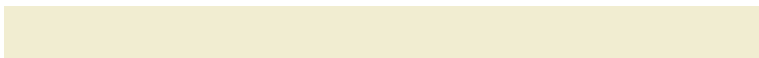
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



232.4080, -27.6920, -4.7480



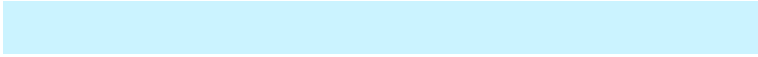
237.8970, 10.9560, 10.7000



235.0040, 11.3720, -7.8600

# Complementary

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



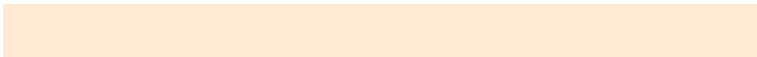
232.4080, -27.6920, -4.7480



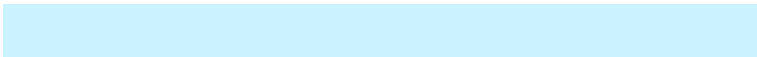
225.5920, 27.6920, 4.7480

# 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.



236.9560, 20.4950, -2.4890



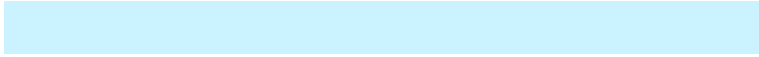
232.4080, -27.6920, -4.7480



235.7140, 15.7250, 6.8690

# Square

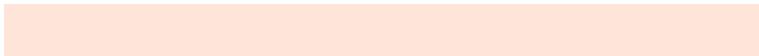
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



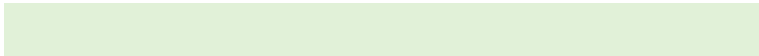
232.4080, -27.6920, -4.7480



238.5200, 1.8320, 10.8560



235.4060, 19.3480, 1.7800

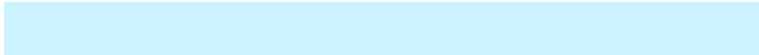


233.3660, -1.5110, -11.1670

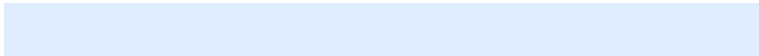


# Rectangle

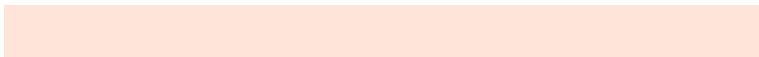
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



232.4080, -27.6920, -4.7480



235.1650, -13.5260, 2.8420



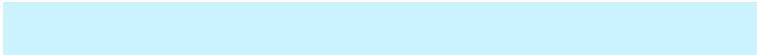
235.4060, 19.3480, 1.7800



235.9120, 14.6270, -6.2770

# Sweetspot

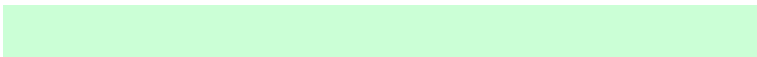
The Sweet Spot groups the original color and five complimentary colors.



232.4080, -27.6920, -4.7480



248.1670, -7.8400, -1.0880



234.7780, -17.8310, -23.7750



123.5480, -4.5390, -0.3390



0.0000, 0.0000, 0.0000

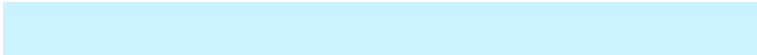


128.0000, -0.0000, -0.0000

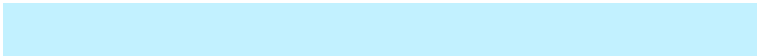


# Same Dimension

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



232.4080, -27.6920, -4.7480



228.5430, -32.5060, -5.6100



217.7330, -20.8170, 8.3270



122.3520, -6.9230, -1.1870



108.0630, -101.7360, -17.4800



36.0590, -34.0190, -5.7230



# Inverse Universe

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



223.1080, 18.1520, 23.4640



217.5970, 21.2690, 27.5490



240.2670, 20.8170, -8.3270



120.0270, 4.5380, 5.8660



73.8670, 66.6490, 86.2090

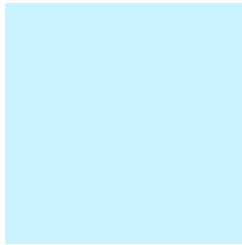


24.7220, 22.4150, 28.8070



# Previews

## White Background



This preview shows how the YIQ color 232.4080, -27.6920, -4.7480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

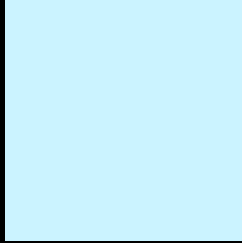
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 232.4080, -27.6920, -4.7480 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 232.4080, -27.6920, -4.7480

## Background



This preview shows how black text looks on a background with the YIQ color 232.4080, -27.6920, -4.7480.



This preview shows how white text looks on a background with the YIQ color 232.4080, -27.6920, -4.7480.

-4.7480.

# 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

232.4080, -27.6920, -4.7480

### Protanopia

236.4220, -3.9440, 5.4000

### Deuteranopia

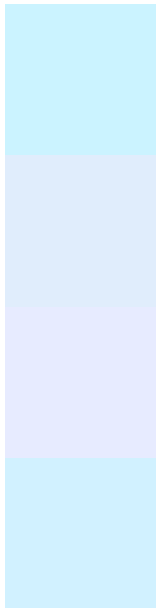
237.9330, 2.1070, 11.3790



## Tritanopia

233.6370, -20.9070, -1.0590

# Trichromacy



## Original Color

232.4080, -27.6920, -4.7480

## Protanomaly

234.8230, -12.5630, 1.9090

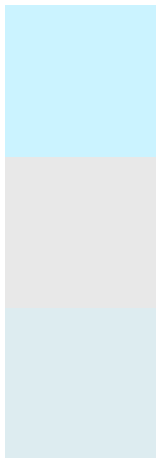
## Deuteranomaly

236.0840, -8.8040, 5.3720

## Tritanomaly

233.0280, -23.5660, -2.4300

# Monochromacy



## Original Color

232.4080, -27.6920, -4.7480

## Achromatopsia

232.0000, -0.0000, 0.0000

## Achromatomaly

231.9710, -10.2240, -1.9360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 232.4080, -27.6920, -4.7480 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(203, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 243, 255)  
}
```

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(203, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 243, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 232.4080, -27.6920, -4.7480 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(203, 243, 255) }
```



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

```
.border{ border-color:rgb(203, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 232.4080, -27.6920, -4.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 243, 255) }
```

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

```
.background{ background-color: rgb(203,  
243, 255) }
```

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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