

Converting Colors

YIQ(196.4700, -66.9340,
-31.4620)

Have a look what the booklet for
YIQ(196.4700, -66.9340, -31.4620)
contains.

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Color

**YIQ(196.4700, -66.9340,
-31.4620)**

Conversions

Conversions Part 1

Format	Color
Hex	71EBD9
RGB	113, 235, 217
RGB Percent	44%, 92%, 85%
CMY	0.5571, 0.0782, 0.1493
CMYK	0.52, 0.00, 0.08, 0.08
HSL	171°, 75%, 68%
HSV	171°, 52%, 92%
XYZ	49.0392, 67.9580, 76.1345
YIQ	196.4700, -66.9340, -31.4620

Conversions

Conversions Part 2

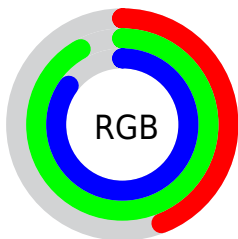
Format	Color
RYB	113, 179, 235
Decimal	7465945
CIELab	85.99, -38.57, -1.68
CIELCh	86, 38.604, 182.492
Yxy	67.9580, 0.2539, 0.3519
Android (android.graphics.Color)	4285656025 (0xFF71EBD9)
YUV	196.4700, 10.1213, -73.2032
Hunter-Lab	82.4367, -38.0796, 2.9483

Details

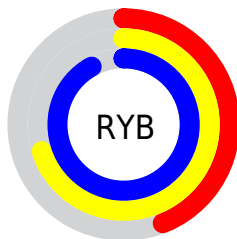
The YIQ color **196.4700, -66.9340, -31.4620** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **151.5300, 66.9340, 31.4620**, and the grayscale version is **196.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **230.4820, -48.8720, -17.3840**, and **137.2950, -73.8110, -33.4830** is the 20% darker color. If you saturate the color by 10%, you get **188.8380, -79.9540, -37.7940**, and if you desaturate by 10%, it is **203.6890, -54.1890, -25.6530**.

Distribution



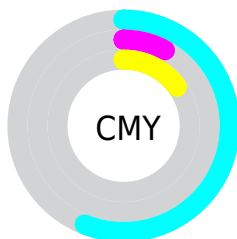
- Red (44%)
- Green (92%)
- Blue (85%)



- Red (44%)
- Yellow (70%)
- Blue (92%)



- Cyan (52%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)



- Cyan (56%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 196.4700, -66.9340, -31.4620 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 196.4700, -66.9340, -31.4620 by changing the saturation by 10% instead.

■ 196.4700,
-66.9340, -31.4620

■ 196.4700,
-66.9340, -31.4620

■ 255.0000, -0.0000,
-0.0000

■ 167.5730,
-68.7220, -32.0980

■ 230.4820,
-48.8720, -17.3840

■ 137.2950,
-73.8110, -33.4830

■ 239.1530,
-31.5880, -11.2360

■ 104.7280,
-85.4560, -37.2000

■ 248.4220,
-13.1120, -4.6640

■ 86.0290, -70.0060,
-30.8540

■ 68.5040, -55.1060,
-25.5540

■ 51.2070, -40.8480,
-19.6320

■ 34.6110, -27.1860,

-13.9220

■ 20.0040, -14.9910,
-9.1590

■ 0.0000, 0.0000,
0.0000

■ 196.4700,
-66.9340, -31.4620

■ 196.4700,
-66.9340, -31.4620

■ 188.8380,
-79.9540, -37.7940

■ 203.6890,
-54.1890, -25.6530

■ 181.6190,
-92.6990, -43.6030

■ 211.3210,
-41.1690, -19.3210

■ 173.9870,
-105.7190, -49.9350

■ 218.5400,
-28.4240, -13.5120

■ 166.7680,
-118.4640, -55.7440

■ 226.1720,
-15.4040, -7.1800

■ 160.7450,
-128.8250, -60.7050

■ 233.3910, -2.6590,
-1.3710

■ 241.0230, 10.3610,
4.9610

■ 241.6640, 9.9940,
6.1060

■ 242.1200, 8.7100,
7.3500

■ 242.4620, 7.7470,
8.2830

Harmonies

Analogous

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



203.0490, -29.2000, -32.4960



196.4700, -66.9340, -31.4620



193.1100, -91.9230, -24.6190

Triad

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



196.4700, -66.9340, -31.4620



216.3810, -4.7260, 19.5780



211.4460, 48.2340, -4.1020

Complementary

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



196.4700, -66.9340, -31.4620



151.5300, 66.9340, 31.4620

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.



208.6540, 42.3170, 9.5250



196.4700, -66.9340, -31.4620



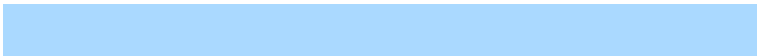
217.9220, 18.9760, 30.5600

Square

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



196.4700, -66.9340, -31.4620



207.2790, -40.2100, 1.8540



210.2960, 32.1820, 22.5020



212.6690, 36.8200, -17.5160

Rectangle

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



196.4700, -66.9340, -31.4620



194.5780, -84.3130, -19.3610



210.2960, 32.1820, 22.5020



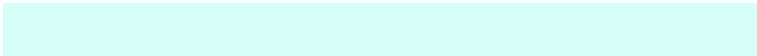
209.8960, 47.0870, 0.1670

Sweetspot

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



196.4700, -66.9340, -31.4620



242.0570, -22.5100, -10.5580



189.9960, -22.8220, -59.9900



120.0690, -13.6160, -6.5440



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.



196.4700, -66.9340, -31.4620



205.1360, -86.7850, -40.6490



173.2810, -60.8870, -3.3750



113.5970, -6.2350, -2.6430



123.8030, -99.2090, -46.7690



36.9420, -29.6160, -13.9360

Inverse Universe

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



151.5300, 66.9340, 31.4620



146.8640, 86.7850, 40.6490



174.7190, 60.8870, 3.3750



109.4030, 6.2350, 2.6430



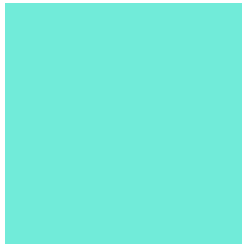
57.1970, 99.2090, 46.7690



17.0580, 29.6160, 13.9360

Previews

White Background



This preview shows how the YIQ color 196.4700, -66.9340, -31.4620 looks on a white background.

Color Contrast Check

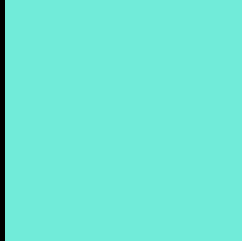
Large Text (above 18pt) WCAG AA × Fail

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 196.4700, -66.9340, -31.4620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

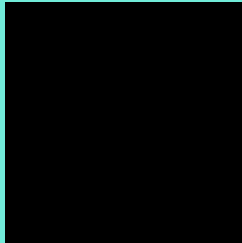
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

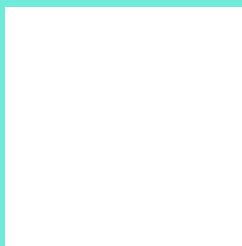
Any Text WCAG AAA ✓ Pass

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

YIQ 196.4700, -66.9340, -31.4620 Background



This preview shows how black text looks on a background with the YIQ color 196.4700, -66.9340, -31.4620.



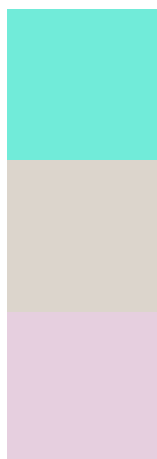
This preview shows how white text looks on a background with the YIQ color 196.4700, -66.9340, -31.4620.

-31.4620.

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

196.4700, -66.9340, -31.4620

Protanopia

214.0670, 7.0610, -1.3150

Deuteranopia

215.7010, 8.5720, 9.8520



Tritanopia

200.4720, -69.2750, -16.5630

Trichromacy



Original Color

196.4700, -66.9340, -31.4620



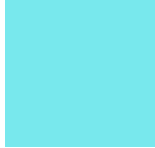
Protanomaly

207.6720, -19.9880, -12.2120



Deuteranomaly

208.4860, -19.1640, -5.1160



Tritanomaly

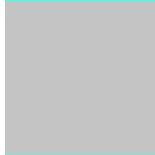
199.0820, -68.3570, -22.1890

Monochromacy



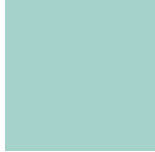
Original Color

196.4700, -66.9340, -31.4620



Achromatopsia

196.0000, -0.0000, -0.0000



Achromatomaly

196.1600, -24.2980, -11.1940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 196.4700, -66.9340, -31.4620 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(113, 235, 217)` looks like.

```
.text, #text, p{  
    color:rgb(113, 235, 217)  
}
```

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(113, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 235, 217) }
```

Border

The CSS property to change the border of an element to YIQ 196.4700, -66.9340, -31.4620 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(113, 235, 217) }
```


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

```
.border{ border-color:rgb(113, 235, 217) }
```

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

Here you see how a box with a 4 pixel rgb(113, 235, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 235, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 235, 217);  
box-shadow:4px 4px 4px 4px rgb(113, 235,  
217) }
```

Background

The CSS property to change the background color of an element to YIQ 196.4700, -66.9340, -31.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 235, 217) }
```

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

```
.background{ background-color: rgb(113,  
235, 217) }
```

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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