

Converting Colors

YIQ(233.6400, -16.9620,
-11.9860)

Have a look what the booklet for
YIQ(233.6400, -16.9620, -11.9860)
contains.

YIQ(233.6400, -16.9620, -11.9860)	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(233.6400, -16.9620,
-11.9860)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F6E8
RGB	210, 246, 232
RGB Percent	82%, 96%, 91%
CMY	0.1766, 0.0352, 0.0902
CMYK	0.15, 0.00, 0.06, 0.04
HSL	157°, 67%, 89%
HSV	157°, 15%, 96%
XYZ	74.0953, 85.4442, 88.9203
YIQ	233.6400, -16.9620, -11.9860

Conversions

Conversions Part 2

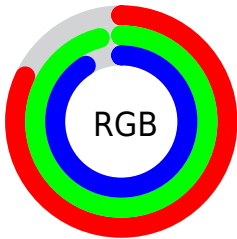
Format	Color
R _Y B	210, 232, 246
Decimal	13825768
CIE Lab	94.07, -14.29, 2.84
CIE LCh	94, 14.565, 168.757
Yxy	85.4442, 0.2982, 0.3439
Android (android.graphics.Color)	4292015848 (0xFFD2F6E8)
YUV	233.6400, -0.8085, -20.7323
Hunter-Lab	92.4360, -18.6802, 7.6702

Details

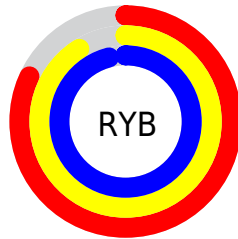
The YIQ color $233.6400, -16.9620, -11.9860$ is a light color, and the websafe version is hex $CCFFFF$. A complement of this color would be $222.3600, 16.9620, 11.9860$, and the grayscale version is $234.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $255.0000, -0.0000, -0.0000$, and $177.9390, -16.3660, -11.7740$ is the 20% darker color. If you saturate the color by 10%, you get $225.0250, -28.6520, -20.3960$, and if you desaturate by 10%, it is $242.2550, -5.2720, -3.5760$.

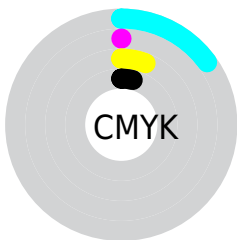
Distribution



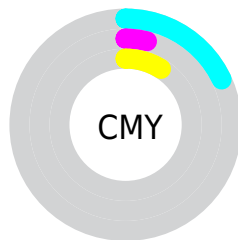
- Red (82%)
- Green (96%)
- Blue (91%)



- Red (82%)
- Yellow (91%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (18%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 233.6400, -16.9620, -11.9860 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 233.6400, -16.9620, -11.9860 by changing the saturation by 10% instead.

■ 233.6400,
-16.9620, -11.9860

■ 233.6400,
-16.9620, -11.9860

255.0000, -0.0000,
-0.0000

■ 205.6400,
-16.9620, -11.9860

■ 177.9390,
-16.3660, -11.7740

■ 151.3520,
-16.0910, -11.2510

■ 124.7650,
-15.8160, -10.7280

■ 100.0640,
-15.2200, -10.5160

■ 75.4770, -14.9450,
-9.9930

■ 52.8900, -14.6700,

-9.4700

■ 30.5910, -15.2660,
-9.6820

■ 13.7120, -8.2970,
-9.3290

■ 233.6400,
-16.9620, -11.9860

■ 233.6400,
-16.9620, -11.9860

■ 225.0250,
-28.6520, -20.3960

■ 242.2550, -5.2720,
-3.5760

■ 216.8230,
-40.0670, -28.2830

■ 249.2610, 3.7590,
3.4630

■ 208.2080,
-51.7570, -36.6930

■ 249.7170, 2.4750,
4.7070

■ 200.0060,
-63.1720, -44.5800

■ 191.3910,
-74.8620, -52.9900

■ 182.8900,
-86.8730, -61.0890

■ 174.5740,
-97.9670, -69.2870

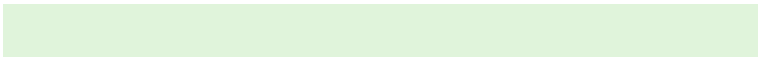
■ 165.9590,
-109.6570, -77.6970

■ 161.5020,
-115.8000, -82.0080

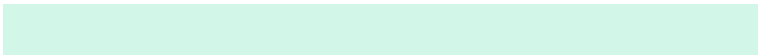
Harmonies

Analogous

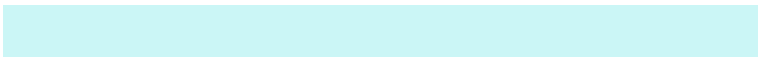
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



235.1700, -3.8950, -12.0150



233.6400, -16.9620, -11.9860



233.1430, -25.6280, -9.1160

Triad

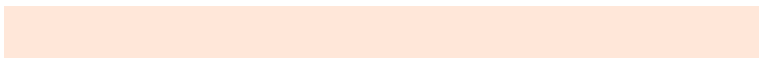
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



233.6400, -16.9620, -11.9860



237.5680, -7.2910, 5.4850



236.5800, 18.7980, 0.7340

Complementary

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



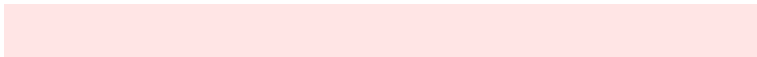
233.6400, -16.9620, -11.9860



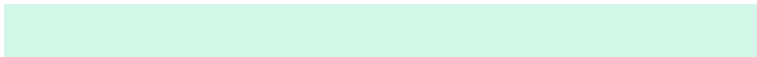
222.3600, 16.9620, 11.9860

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.



236.7740, 15.4960, 5.5120



233.6400, -16.9620, -11.9860



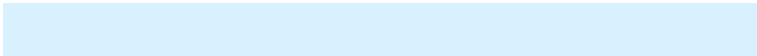
240.3030, 3.9410, 11.1810

Square

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



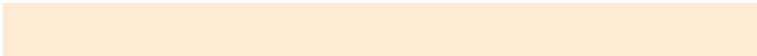
233.6400, -16.9620, -11.9860



235.4200, -18.7980, -0.7340



238.4840, 10.6810, 10.1770



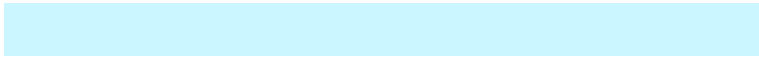
238.2440, 19.6240, -3.2240

Rectangle

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



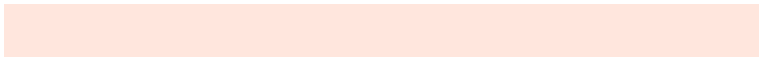
233.6400, -16.9620, -11.9860



233.5820, -28.2420, -5.7940



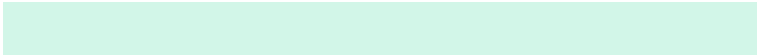
238.4840, 10.6810, 10.1770



236.4490, 17.7890, 2.5010

Sweetspot

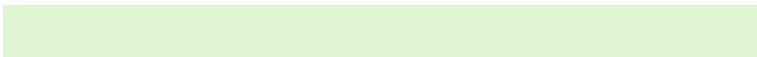
The Sweet Spot groups the original color and five complimentary colors.



233.6400, -16.9620, -11.9860



251.5540, -4.6760, -3.3640



235.3180, -1.5560, -15.8600



125.5650, -3.2090, -2.4170



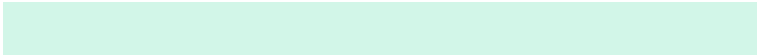
0.0000, 0.0000, 0.0000



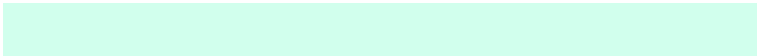
128.0000, -0.0000, -0.0000

Same Dimension

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



233.6400, -16.9620, -11.9860



239.1940, -21.6380, -15.3500



232.8880, -20.3560, -5.5400



117.9560, -5.8680, -3.7880



122.1780, -87.7440, -61.8240



38.7370, -27.7810, -19.6610

Inverse Universe

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



222.3600, 16.9620, 11.9860



224.8060, 21.6380, 15.3500



223.1120, 20.3560, 5.5400



114.1580, 5.5470, 4.0990



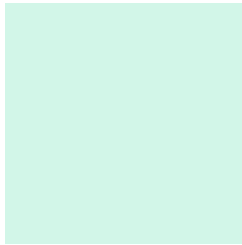
63.8220, 87.7440, 61.8240



20.2630, 27.7810, 19.6610

Previews

White Background



This preview shows how the YIQ color 233.6400, -16.9620, -11.9860 looks on a white background.

Color Contrast Check

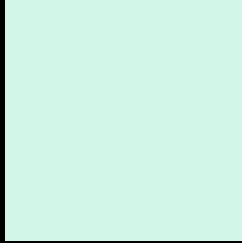
Large Text (above 18pt) WCAG AA × Fail

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 233.6400, -16.9620, -11.9860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

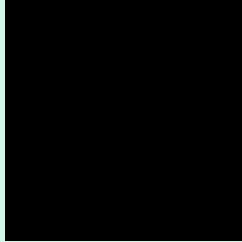
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

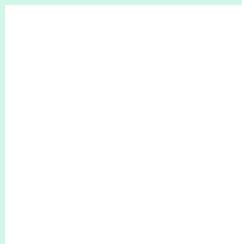
Any Text WCAG AAA ✓ Pass

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

YIQ 233.6400, -16.9620, -11.9860 Background



This preview shows how black text looks on a background with the YIQ color 233.6400, -16.9620, -11.9860.



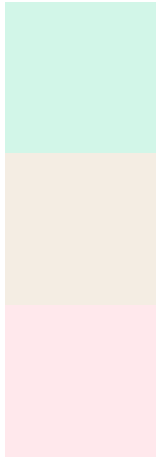
This preview shows how white text looks on a background with the YIQ color 233.6400, -16.9620, -11.9860.

-11.9860.

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

233.6400, -16.9620, -11.9860

Protanopia

237.9530, 7.3820, -1.6260

Deuteranopia

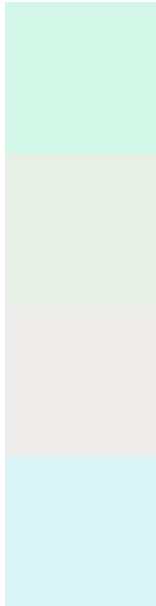
239.3330, 12.4240, 6.1200



Tritanopia

236.6160, -16.4140, 0.1140

Trichromacy



Original Color

233.6400, -16.9620, -11.9860

Protanomaly

236.3540, -1.2370, -5.1170

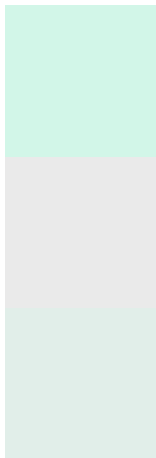
Deuteranomaly

237.3700, 1.8340, -0.1980

Tritanomaly

235.6820, -16.7800, -4.2680

Monochromacy



Original Color

233.6400, -16.9620, -11.9860

Achromatopsia

234.0000, -0.0000, 0.0000

Achromatomaly

233.5430, -6.1430, -4.3110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 233.6400, -16.9620, -11.9860 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(210, 246, 232)` looks like.

```
.text, #text, p{  
    color:rgb(210, 246, 232)  
}
```

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(210, 246, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 246, 232) }
```

Border

The CSS property to change the border of an element to YIQ 233.6400, -16.9620, -11.9860 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(210, 246, 232) }
```


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

```
.border{ border-color:rgb(210, 246, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 246, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 246, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 246, 232);  
box-shadow:4px 4px 4px 4px rgb(210, 246,  
232) }
```

Background

The CSS property to change the background color of an element to YIQ 233.6400, -16.9620, -11.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 246, 232) }
```

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

```
.background{ background-color: rgb(210,  
246, 232) }
```

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