

Converting Colors

YIQ(223.8050, 13.0700,
-16.6100)

Have a look what the booklet for
YIQ(223.8050, 13.0700, -16.6100)
contains.

YIQ(223.8050, 13.0700, -16.6100)	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(223.8050, 13.0700,
-16.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E7B5
RGB	226, 231, 181
RGB Percent	89%, 91%, 71%
CMY	0.1138, 0.0941, 0.2901
CMYK	0.02, 0.00, 0.22, 0.09
HSL	66°, 51%, 81%
HSV	66°, 22%, 91%
XYZ	68.2799, 76.6571, 54.9260
YIQ	223.8050, 13.0700, -16.6100

Conversions

Conversions Part 2

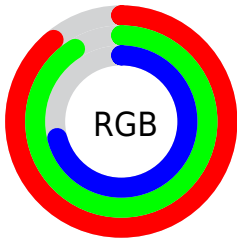
Format	Color
RYB	181, 231, 186
Decimal	14870453
CIELab	90.16, -9.80, 23.83
CIElCh	90, 25.766, 112.348
Yxy	76.6571, 0.3416, 0.3835
Android (android.graphics.Color)	4293060533 (0xFFE2E7B5)
YUV	223.8050, -21.1029, 1.9250
Hunter-Lab	87.5540, -14.0144, 24.0929

Details

The YIQ color **223.8050, 13.0700, -16.6100** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **188.1950, -13.0700, 16.6100**, and the grayscale version is **224.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **252.9480, 5.7780, -5.5980**, and **168.1470, 12.1070, -15.6770** is the 20% darker color. If you saturate the color by 10%, you get **220.5850, 19.2610, -24.1870**, and if you desaturate by 10%, it is **227.0250, 6.8790, -9.0330**.

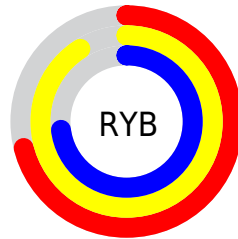
Distribution



Red (89%)

Green (91%)

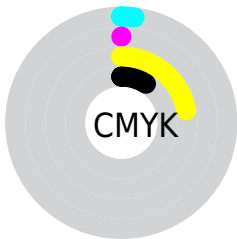
Blue (71%)



Red (71%)

Yellow (91%)

Blue (73%)

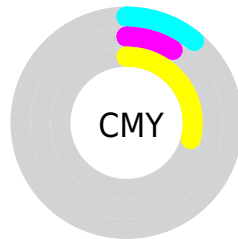


Cyan (2%)

Magenta (0%)

Yellow (22%)

Black (9%)



Cyan (11%)

Magenta (9%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 223.8050, 13.0700, -16.6100 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 223.8050, 13.0700, -16.6100 by changing the saturation by 10% instead.

■ 223.8050, 13.0700,
-16.6100

■ 223.8050, 13.0700,
-16.6100

255.0000, -0.0000,
-0.0000

■ 195.9190, 12.7490,
-16.2990

■ 252.9480, 5.7780,
-5.5980

■ 168.1470, 12.1070,
-15.6770

■ 141.9620, 11.1900,
-15.5780

■ 116.0760, 10.8690,
-15.2670

■ 91.3040, 10.2270,
-14.6450

■ 67.5320, 9.5850,
-14.0230

■ 45.2330, 8.9890,

-14.2350

■ 25.3730, 5.7790,
-11.1250

■ 0.5870, -0.2750,
-0.5230

■ 223.8050, 13.0700,
-16.6100

■ 223.8050, 13.0700,
-16.6100

■ 220.5850, 19.2610,
-24.1870

■ 227.0250, 6.8790,
-9.0330

■ 217.0660, 24.8560,
-31.9760

■ 230.5440, 1.2840,
-1.2440

■ 213.8460, 31.0470,
-39.5530

■ 233.7640, -4.9070,
6.3330

■ 210.6260, 37.2380,
-47.1300

■ 234.9320, -5.3200,
8.3120

■ 207.1070, 42.8330,
-54.9190

■ 235.8290, -3.5320,
8.9480

■ 203.7730, 49.3450,
-62.8070

■ 236.4270, -2.3400,
9.3720

■ 200.5530, 55.5360,
-70.3840

■ 237.0250, -1.1480,
9.7960

■ 197.7890, 60.4430,
-76.7170

■ 237.9220, 0.6400,
10.4320

■ 238.5200, 1.8320,
10.8560

Harmonies

Analogous

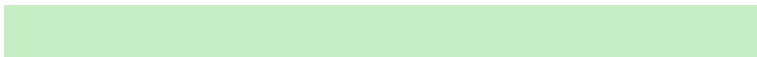
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



226.5410, 31.7290, -7.8470



223.8050, 13.0700, -16.6100



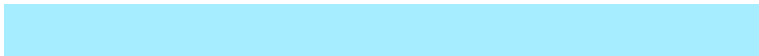
220.6650, -10.0830, -21.0190

Triad

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



223.8050, 13.0700, -16.6100



217.5240, -48.6900, -9.6660



226.1910, 19.1160, 17.0040

Complementary

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



223.8050, 13.0700, -16.6100



188.1950, -13.0700, 16.6100

Split Complementary

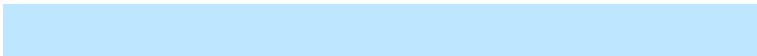
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



230.9220, 9.8080, 20.4960



223.8050, 13.0700, -16.6100



221.4770, -32.1400, -1.2280

Square

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



223.8050, 13.0700, -16.6100



216.9380, -50.1560, -16.1400



226.6480, -10.2720, 9.9520



223.3410, 27.1410, 9.2290

Rectangle

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



223.8050, 13.0700, -16.6100



218.7540, -26.4510, -21.7390



226.6480, -10.2720, 9.9520



227.6900, 16.2730, 18.9690

Sweetspot

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



223.8050, 13.0700, -16.6100



252.6920, 3.6230, -5.0890



198.8850, 28.4250, 7.9850



126.6750, 2.2930, -3.0110



0.0000, 0.0000, 0.0000



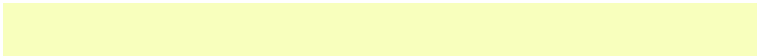
128.0000, -0.0000, -0.0000

Same Dimension

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



223.8050, 13.0700, -16.6100



245.3830, 17.0140, -22.0100



216.3300, -1.8300, -21.9100



113.3330, 3.2560, -3.9440



153.2120, 46.7310, -59.4850



43.6910, 13.3910, -16.9210

Inverse Universe

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



188.1950, -13.0700, 16.6100



198.3180, -17.6100, 21.7980



195.6700, 1.8300, 21.9100



104.6670, -3.2560, 3.9440



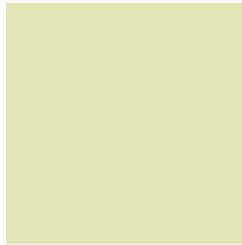
25.7880, -46.7310, 59.4850



7.3090, -13.3910, 16.9210

Previews

White Background



This preview shows how the YIQ color 223.8050, 13.0700, -16.6100 looks on a white background.

Color Contrast Check

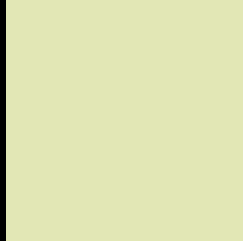
Large Text (above 18pt) WCAG AA × Fail

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 223.8050, 13.0700, -16.6100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

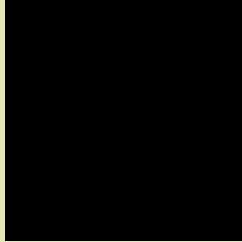
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

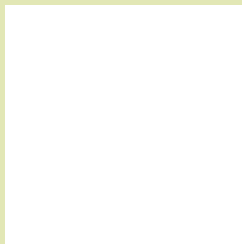
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 223.8050, 13.0700, -16.6100

Background



This preview shows how black text looks on a background with the YIQ color 223.8050, 13.0700, -16.6100.



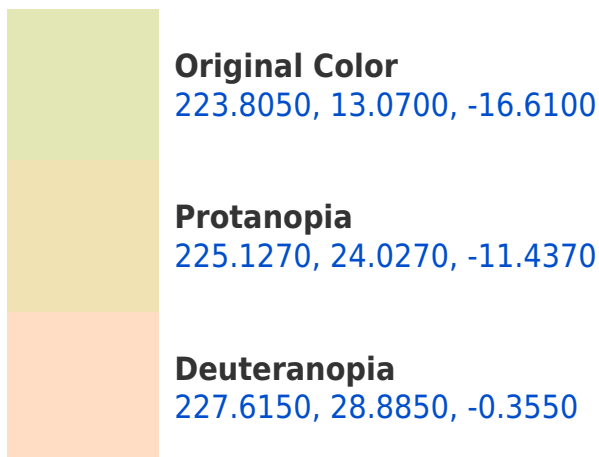
This preview shows how white text looks on a background with the YIQ color 223.8050, 13.0700,

-16.6100.

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

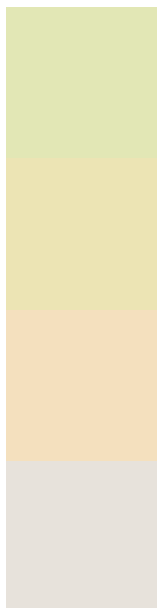




Tritanopia

228.3410, 0.7780, 7.9300

Trichromacy



Original Color

223.8050, 13.0700, -16.6100

Protanomaly

224.9200, 20.1760, -13.2320

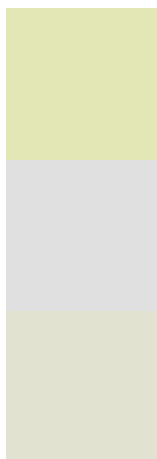
Deuteranomaly

226.1040, 22.8340, -6.3340

Tritanomaly

226.6970, 5.2270, -1.1170

Monochromacy



Original Color

223.8050, 13.0700, -16.6100

Achromatopsia

224.0000, -0.0000, 0.0000

Achromatomaly

224.2360, 4.9070, -6.3330

CSS Examples

Text

The CSS property to change the color of the text to YIQ 223.8050, 13.0700, -16.6100 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(226, 231, 181)` looks like.

```
.text, #text, p{  
    color:rgb(226, 231, 181)  
}
```

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(226, 231, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 231, 181) }
```

Border

The CSS property to change the border of an element to YIQ 223.8050, 13.0700, -16.6100 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(226, 231, 181) }
```


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

```
.border{ border-color:rgb(226, 231, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 231, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 231, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 231, 181);  
box-shadow:4px 4px 4px 4px rgb(226, 231,  
181) }
```

Background

The CSS property to change the background color of an element to YIQ 223.8050, 13.0700, -16.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 231, 181) }
```

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

```
.background{ background-color: rgb(226,  
231, 181) }
```

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