

Converting Colors

YIQ(189.3620, -66.7500,
-34.7980)

Have a look what the booklet for
YIQ(189.3620, -66.7500, -34.7980)
contains.

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Color

**YIQ(189.3620, -66.7500,
-34.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	68E6CC
RGB	104, 230, 204
RGB Percent	41%, 90%, 80%
CMY	0.5925, 0.0978, 0.2002
CMYK	0.55, 0.00, 0.11, 0.10
HSL	168°, 72%, 65%
HSV	168°, 55%, 90%
XYZ	44.9027, 63.9180, 67.0583
YIQ	189.3620, -66.7500, -34.7980

Conversions

Conversions Part 2

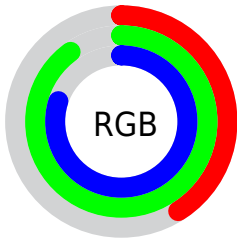
Format	Color
RYB	104, 174, 230
Decimal	6874828
CIELab	83.92, -41.29, 2.12
CIElCh	84, 41.340, 177.061
Yxy	63.9180, 0.2553, 0.3634
Android (android.graphics.Color)	4285064908 (0xFF68E6CC)
YUV	189.3620, 7.2165, -74.8625
Hunter-Lab	79.9487, -39.6568, 6.2336

Details

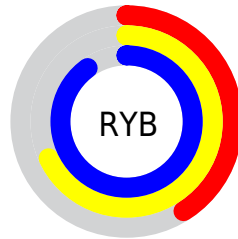
The YIQ color **189.3620, -66.7500, -34.7980** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **144.6380, 66.7500, 34.7980**, and the grayscale version is **189.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **227.7910, -54.2360, -19.2920**, and **128.8060, -76.9280, -37.5680** is the 20% darker color. If you saturate the color by 10%, you get **181.9150, -78.8530, -41.2290**, and if you desaturate by 10%, it is **196.8090, -54.6470, -28.3670**.

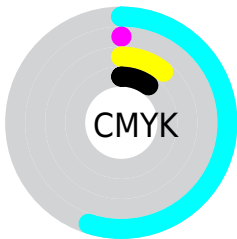
Distribution



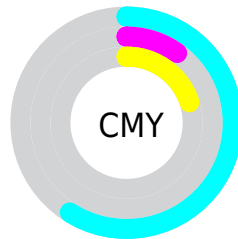
- Red (41%)
- Green (90%)
- Blue (80%)



- Red (41%)
- Yellow (68%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (59%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 189.3620, -66.7500, -34.7980 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 189.3620, -66.7500, -34.7980 by changing the saturation by 10% instead.

■ 189.3620,
-66.7500, -34.7980

■ 189.3620,
-66.7500, -34.7980

■ 255.0000, -0.0000,
-0.0000

■ 160.2800,
-69.4550, -35.3350

■ 227.7910,
-54.2360, -19.2920

■ 128.8060,
-76.9280, -37.5680

■ 236.7610,
-36.3560, -12.9320

■ 100.4250,
-80.2290, -38.3170

■ 245.7310,
-18.4760, -6.5720

■ 81.7260, -64.7790,
-31.9710

■ 254.7010, -0.5960,
-0.2120

■ 64.3150, -50.2000,
-26.3600

■ 47.1320, -36.2630,
-20.1270

■ 31.2370, -23.1970,

-14.6290

■ 13.8260, -8.6180,
-9.0180

■ 0.0000, 0.0000,
0.0000

■ 189.3620,
-66.7500, -34.7980

■ 189.3620,
-66.7500, -34.7980

■ 181.9150,
-78.8530, -41.2290

■ 196.8090,
-54.6470, -28.3670

■ 174.4680,
-90.9560, -47.6600

■ 204.1420,
-42.2230, -22.2470

■ 167.1350,
-103.3800, -53.7800

■ 211.5890,
-30.1200, -15.8160

■ 159.6880,
-115.4830, -60.2110

■ 219.0360,
-18.0170, -9.3850

■ 155.7580,
-121.6720, -63.6880

■ 226.4830, -5.9140,
-2.9540

■ 233.9300, 6.1890,
3.4770

■ 238.2730, 12.6530,
7.4770

■ 238.8430, 11.0480,
9.0320

■ 239.4130, 9.4430,
10.5870

Harmonies

Analogous

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



197.3330, -24.2480, -34.1360



189.3620, -66.7500, -34.7980



181.5490, -103.7050, -31.3610

Triad

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



189.3620, -66.7500, -34.7980



209.5480, -12.5660, 18.4900



205.4790, 52.6350, -1.2610

Complementary

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



189.3620, -66.7500, -34.7980



144.6380, 66.7500, 34.7980

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.



203.1430, 45.4340, 13.6100



189.3620, -66.7500, -34.7980



214.7420, 19.6630, 34.6310

Square

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



189.3620, -66.7500, -34.7980



198.9400, -52.4970, -1.2410



206.4150, 33.4650, 26.7850



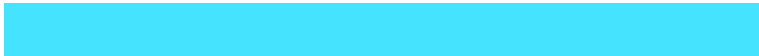
207.3170, 43.7430, -16.3290

Rectangle

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



189.3620, -66.7500, -34.7980



183.2490, -102.5600, -24.5760



206.4150, 33.4650, 26.7850



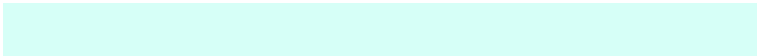
204.1570, 50.8460, 3.6300

Sweetspot

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



189.3620, -66.7500, -34.7980



241.8290, -21.8680, -11.1800



186.0350, -18.5580, -60.1740



119.8410, -12.9740, -7.1660



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.



189.3620, -66.7500, -34.7980



200.7780, -88.8930, -46.5010



171.1940, -65.1960, -7.8840



111.0700, -6.1890, -3.4770



121.2610, -94.8070, -49.4550



34.4970, -26.8650, -14.2330

Inverse Universe

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



144.6380, 66.7500, 34.7980



141.2220, 88.8930, 46.5010



162.8060, 65.1960, 7.8840



106.9300, 6.1890, 3.4770



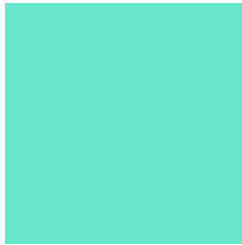
57.7390, 94.8070, 49.4550



16.5030, 26.8650, 14.2330

Previews

White Background



This preview shows how the YIQ color 189.3620, -66.7500, -34.7980 looks on a white background.

Color Contrast Check

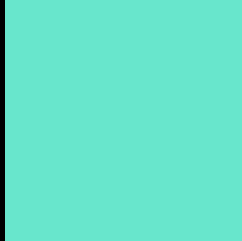
Large Text (above 18pt) WCAG AA × Fail

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 189.3620, -66.7500, -34.7980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

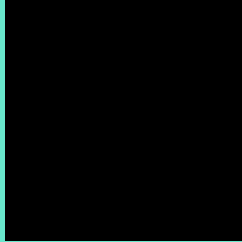
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

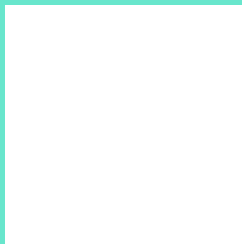
Any Text WCAG AAA ✓ Pass

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

YIQ 189.3620, -66.7500, -34.7980 Background



This preview shows how black text looks on a background with the YIQ color 189.3620, -66.7500, -34.7980.



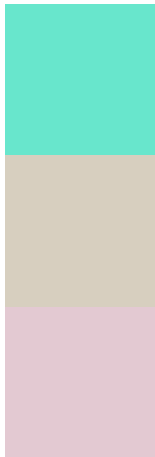
This preview shows how white text looks on a background with the YIQ color 189.3620, -66.7500, -34.7980.

-34.7980.

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

189.3620, -66.7500, -34.7980

Protanopia

207.5680, 9.9040, -3.2800

Deuteranopia

209.8000, 12.6070, 8.3110



Tritanopia

194.1730, -69.8710, -16.7750

Trichromacy



Original Color

189.3620, -66.7500, -34.7980



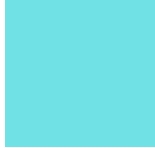
Protanomaly

200.8740, -17.7410, -14.3890



Deuteranomaly

202.5740, -16.5960, -7.6040



Tritanomaly

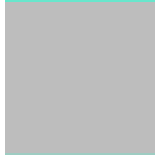
192.2560, -68.9070, -23.2350

Monochromacy



Original Color

189.3620, -66.7500, -34.7980



Achromatopsia

189.0000, -0.0000, -0.0000



Achromatomaly

189.1060, -24.2060, -12.8620

CSS Examples

Text

The CSS property to change the color of the text to YIQ 189.3620, -66.7500, -34.7980 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(104, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(104, 230, 204)  
}
```

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(104, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 230, 204) }
```

Border

The CSS property to change the border of an element to YIQ 189.3620, -66.7500, -34.7980 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(104, 230, 204) }
```


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

```
.border{ border-color:rgb(104, 230, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 230, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(104, 230,  
204) }
```

Background

The CSS property to change the background color of an element to YIQ 189.3620, -66.7500, -34.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 230, 204) }
```

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

```
.background{ background-color: rgb(104,  
230, 204) }
```

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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