

Converting Colors

YIQ(188.5270, -44.7450,
-20.5930)

Have a look what the booklet for
YIQ(188.5270, -44.7450, -20.5930)
contains.

YIQ(188.5270, -44.7450, -20.5930)	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(188.5270, -44.7450,
-20.5930)**

Conversions

Conversions Part 1

Format	Color
Hex	85D6CB
RGB	133, 214, 203
RGB Percent	52%, 84%, 80%
CMY	0.4786, 0.1606, 0.2041
CMYK	0.38, 0.00, 0.05, 0.16
HSL	172°, 50%, 68%
HSV	172°, 38%, 84%
XYZ	44.4944, 57.4025, 65.2077
YIQ	188.5270, -44.7450, -20.5930

Conversions

Conversions Part 2

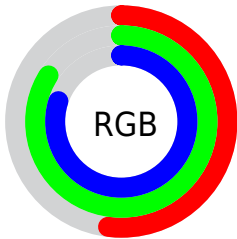
Format	Color
RYB	133, 176, 214
Decimal	8771275
CIELab	80.41, -27.31, -2.37
CIELCh	80, 27.410, 184.950
Yxy	57.4025, 0.2663, 0.3435
Android (android.graphics.Color)	4286961355 (0xFF85D6CB)
YUV	188.5270, 7.1352, -48.6972
Hunter-Lab	75.7644, -27.7596, 2.0064

Details

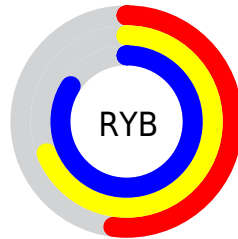
The YIQ color **188.5270, -44.7450, -20.5930** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **158.4730, 44.7450, 20.5930**, and the grayscale version is **188.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **235.2660, -39.3360, -13.9920**, and **133.6410, -45.0660, -20.2820** is the 20% darker color. If you saturate the color by 10%, you get **181.9060, -56.2980, -25.9780**, and if you desaturate by 10%, it is **195.1480, -33.1920, -15.2080**.

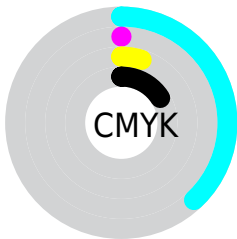
Distribution



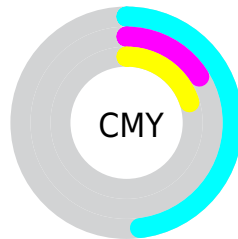
- Red (52%)
- Green (84%)
- Blue (80%)



- Red (52%)
- Yellow (69%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)



- Cyan (48%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 188.5270, -44.7450, -20.5930 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 188.5270, -44.7450, -20.5930 by changing the saturation by 10% instead.

■ 188.5270,
-44.7450, -20.5930

■ 188.5270,
-44.7450, -20.5930

■ 255.0000, -0.0000,
-0.0000

■ 160.6410,
-45.0660, -20.2820

■ 235.2660,
-39.3360, -13.9920

■ 133.6410,
-45.0660, -20.2820

■ 243.9370,
-22.0520, -7.8440

■ 106.7440,
-46.8540, -20.9180

■ 252.6080, -4.7680,
-1.6960

■ 77.8680, -53.1350,
-22.7270

■ 56.6840, -46.6250,
-19.5610

■ 40.5610, -32.9170,
-14.6850

■ 25.2530, -20.1260,

-9.7100

■ 2.5590, -3.0720,
0.6080

■ 0.0000, 0.0000,
0.0000

■ 188.5270,
-44.7450, -20.5930

■ 188.5270,
-44.7450, -20.5930

■ 181.9060,
-56.2980, -25.9780

■ 195.1480,
-33.1920, -15.2080

■ 174.9860,
-68.4470, -31.5750

■ 202.0680,
-21.0430, -9.6110

■ 168.3650,
-80.0000, -36.9600

■ 208.6890, -9.4900,
-4.2260

■ 161.4450,
-92.1490, -42.5570

■ 215.6090, 2.6590,
1.3710

■ 154.8240,
-103.7020, -47.9420

■ 222.2300, 14.2120,
6.7560

■ 148.2030,
-115.2550, -53.3270

■ 227.0570, 22.1890,
10.8690

■ 146.7080,
-118.2350, -54.3870

■ 227.2850, 21.5470,
11.4910

■ 227.6270, 20.5840,
12.4240

■ 227.9690, 19.6210,
13.3570

Harmonies

Analogous

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



191.5650, -21.5450, -22.5450



188.5270, -44.7450, -20.5930



188.3980, -57.2630, -13.9910

Triad

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



188.5270, -44.7450, -20.5930



202.0820, -5.3220, 19.3660



200.5360, 39.2930, -1.7550

Complementary

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



188.5270, -44.7450, -20.5930



158.4730, 44.7450, 20.5930

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.



202.2520, 43.5090, 9.9490



188.5270, -44.7450, -20.5930



203.8800, 18.7940, 22.8420

Square

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



188.5270, -44.7450, -20.5930



197.9260, -31.5460, 10.0380



203.3410, 36.3090, 19.2930



197.7850, 24.9900, -12.3700

Rectangle

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



188.5270, -44.7450, -20.5930



190.8100, -55.2470, -6.4710



203.3410, 36.3090, 19.2930



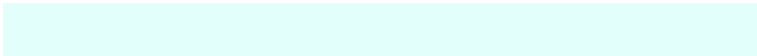
201.1390, 42.0890, 2.6410

Sweetspot

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



188.5270, -44.7450, -20.5930



246.1720, -15.4040, -7.1800



184.1350, -15.1230, -39.8190



122.5750, -9.1690, -4.5370



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.



188.5270, -44.7450, -20.5930



218.7910, -63.4040, -29.3560



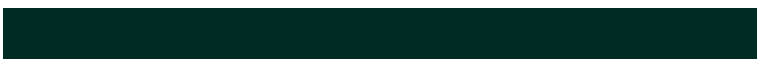
173.3450, -40.5760, -2.5280



103.5970, -6.2350, -2.6430



117.2490, -94.5330, -43.4050



29.4590, -23.7020, -10.9820

Inverse Universe

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



158.4730, 44.7450, 20.5930



176.2090, 63.4040, 29.3560



173.6550, 40.5760, 2.5280



99.5170, 5.9140, 2.9540



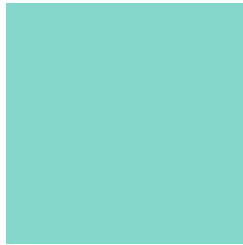
53.7510, 94.5330, 43.4050



13.5410, 23.7020, 10.9820

Previews

White Background



This preview shows how the YIQ color 188.5270, -44.7450, -20.5930 looks on a white background.

Color Contrast Check

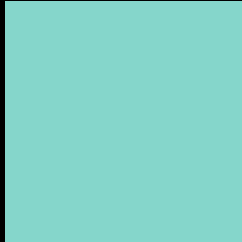
Large Text (above 18pt) WCAG AA × Fail

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 188.5270, -44.7450, -20.5930 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

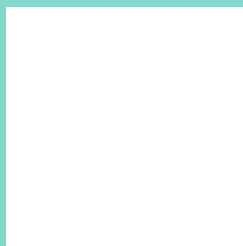
Any Text WCAG AAA ✓ Pass

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

YIQ 188.5270, -44.7450, -20.5930 Background



This preview shows how black text looks on a background with the YIQ color 188.5270, -44.7450, -20.5930.



This preview shows how white text looks on a background with the YIQ color 188.5270, -44.7450, -20.5930.

-20.5930.

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

188.5270, -44.7450, -20.5930

Protanopia

199.0390, 4.2640, -0.1840

Deuteranopia

200.8750, 8.0220, 8.8060



Tritanopia

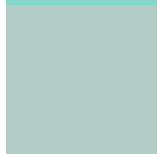
190.7090, -47.7730, -9.7650

Trichromacy



Original Color

188.5270, -44.7450, -20.5930



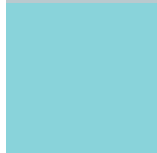
Protanomaly

195.4280, -13.2490, -7.6890



Deuteranomaly

196.7860, -11.1410, -1.8370



Tritanomaly

189.6720, -46.3510, -13.5110

Monochromacy



Original Color

188.5270, -44.7450, -20.5930



Achromatopsia

189.0000, -0.0000, -0.0000



Achromatomaly

188.8730, -16.0000, -7.3920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 188.5270, -44.7450, -20.5930 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(133, 214, 203)` looks like.

```
.text, #text, p{  
    color:rgb(133, 214, 203)  
}
```

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(133, 214, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 214, 203) }
```

Border

The CSS property to change the border of an element to YIQ 188.5270, -44.7450, -20.5930 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(133, 214, 203) }
```


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

```
.border{ border-color:rgb(133, 214, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 214, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 214, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 214, 203);  
box-shadow:4px 4px 4px 4px rgb(133, 214,  
203) }
```

Background

The CSS property to change the background color of an element to YIQ 188.5270, -44.7450, -20.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 214, 203) }
```

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

```
.background{ background-color: rgb(133,  
214, 203) }
```

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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