

Converting Colors

YIQ(190.5780, -49.9230,
-36.8910)

Have a look what the booklet for
YIQ(190.5780, -49.9230, -36.8910)
contains.

YIQ(190.5780, -49.9230, -36.8910)	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(190.5780, -49.9230,
-36.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	78E4B7
RGB	120, 228, 183
RGB Percent	47%, 89%, 72%
CMY	0.5297, 0.1057, 0.2825
CMYK	0.47, 0.00, 0.20, 0.11
HSL	155°, 67%, 68%
HSV	155°, 47%, 89%
XYZ	44.0344, 62.9168, 54.6003
YIQ	190.5780, -49.9230, -36.8910

Conversions

Conversions Part 2

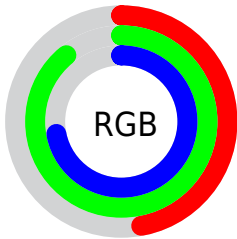
Format	Color
RYB	120, 188, 228
Decimal	7922871
CIELab	83.40, -41.55, 12.48
CIELCh	83, 43.386, 163.279
Yxy	62.9168, 0.2726, 0.3895
Android (android.graphics.Color)	4286112951 (0xFF78E4B7)
YUV	190.5780, -3.7360, -61.8969
Hunter-Lab	79.3201, -39.7162, 14.7115

Details

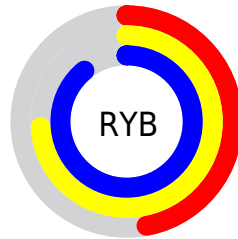
The YIQ color **190.5780, -49.9230, -36.8910** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **157.4220, 49.9230, 36.8910**, and the grayscale version is **191.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **230.1530, -40.7560, -21.3000**, and **134.0230, -52.6740, -36.5940** is the 20% darker color. If you saturate the color by 10%, you get **182.5610, -60.4210, -44.8770**, and if you desaturate by 10%, it is **198.4810, -39.1040, -29.2160**.

Distribution



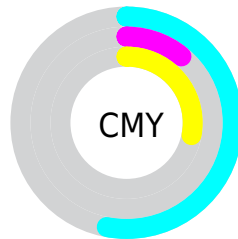
- Red (47%)
- Green (89%)
- Blue (72%)



- Red (47%)
- Yellow (74%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)



- Cyan (53%)
- Magenta (11%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 190.5780, -49.9230, -36.8910 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 190.5780, -49.9230, -36.8910 by changing the saturation by 10% instead.

■ 190.5780,
-49.9230, -36.8910

■ 190.5780,
-49.9230, -36.8910

■ 255.0000, -0.0000,
-0.0000

■ 162.3930,
-50.8400, -36.7920

■ 229.8540,
-41.3520, -21.5120

■ 134.0230,
-52.6740, -36.5940

■ 240.6480,
-28.6080, -10.1760

■ 103.9620,
-59.8720, -38.3040

■ 249.3190,
-11.3240, -4.0280

■ 79.0870, -58.7260,
-37.0460

■ 61.2030, -44.1930,
-30.6010

■ 44.6070, -30.5310,
-24.8910

■ 28.7120, -17.4650,

-19.3930

■ 11.7400, -5.5000,
-10.4600

■ 0.0000, 0.0000,
0.0000

■ 190.5780,
-49.9230, -36.8910

■ 190.5780,
-49.9230, -36.8910

■ 182.5610,
-60.4210, -44.8770

■ 198.4810,
-39.1040, -29.2160

■ 174.6580,
-71.2400, -52.5520

■ 206.4980,
-28.6060, -21.2300

■ 166.9400,
-81.1420, -60.3260

■ 214.1020,
-18.3830, -13.7670

■ 159.0370,
-91.9610, -68.0010

■ 222.1190, -7.8850,
-5.7810

■ 151.0200,
-102.4590, -75.9870

■ 230.1360, 2.6130,
2.2050

■ 148.9980,
-105.3930, -77.8810

■ 237.4410, 12.2400,
9.4560

■ 238.5810, 9.0300,
12.5660

■ 239.1510, 7.4250,
14.1210

Harmonies

Analogous

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



198.2010, -6.3210, -34.1370



190.5780, -49.9230, -36.8910



179.1980, -98.5230, -37.1710

Triad

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



190.5780, -49.9230, -36.8910



203.2140, -32.4170, 9.3030



201.8090, 51.9460, 5.7220

Complementary

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



190.5780, -49.9230, -36.8910



157.4220, 49.9230, 36.8910

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.



201.3310, 42.2690, 21.4130



190.5780, -49.9230, -36.8910



211.7510, 6.2760, 29.4440

Square

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



190.5780, -49.9230, -36.8910



189.3280, -77.4370, -11.8130



207.7660, 28.2830, 32.5950



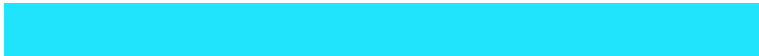
206.7040, 56.0750, -8.5410

Rectangle

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



190.5780, -49.9230, -36.8910



172.0180, -124.1990, -34.3990



207.7660, 28.2830, 32.5950



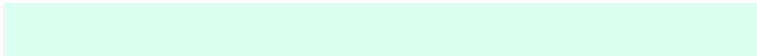
200.7150, 49.5150, 11.2350

Sweetspot

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



190.5780, -49.9230, -36.8910



242.5260, -16.6410, -12.2970



197.4490, -1.6880, -46.5200



120.2820, -9.9020, -7.7740



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.



190.5780, -49.9230, -36.8910



204.6910, -66.8390, -49.7110



191.5990, -62.4430, -19.2350



110.8420, -5.5470, -4.0990



116.9290, -82.6090, -61.2730



33.3570, -23.6550, -17.3430

Inverse Universe

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



157.4220, 49.9230, 36.8910



160.1950, 67.1600, 49.4000



156.4010, 62.4430, 19.2350



107.1580, 5.5470, 4.0990



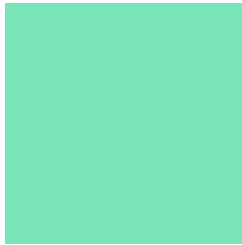
61.9570, 82.9300, 60.9620



17.6430, 23.6550, 17.3430

Previews

White Background



This preview shows how the YIQ color 190.5780, -49.9230, -36.8910 looks on a white background.

Color Contrast Check

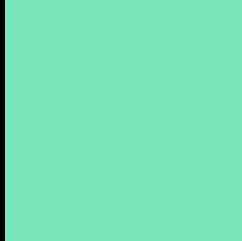
Large Text (above 18pt) WCAG AA × Fail

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 190.5780, -49.9230, -36.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

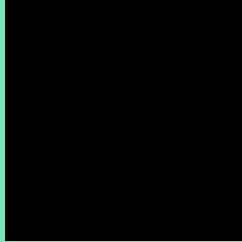
Any Text WCAG AA ✓ Pass

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 190.5780, -49.9230, -36.8910 Background



This preview shows how black text looks on a background with the YIQ color 190.5780, -49.9230, -36.8910.



This preview shows how white text looks on a background with the YIQ color 190.5780, -49.9230, -36.8910.

-36.8910.

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

190.5780, -49.9230, -36.8910

Protanopia

205.7120, 18.0660, -8.0300

Deuteranopia

208.0260, 23.4740, 4.0980



Tritanopia

196.6370, -56.4380, -12.4220

Trichromacy



Original Color

190.5780, -49.9230, -36.8910



Protanomaly

200.1000, -6.8740, -18.6020



Deuteranomaly

201.9960, -3.3450, -10.9690



Tritanomaly

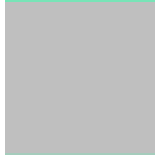
194.6230, -53.8230, -21.2710

Monochromacy



Original Color

190.5780, -49.9230, -36.8910



Achromatopsia

191.0000, -0.0000, -0.0000



Achromatomaly

190.5150, -18.1080, -13.2440

CSS Examples

Text

The CSS property to change the color of the text to YIQ 190.5780, -49.9230, -36.8910 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(120, 228, 183)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 183)  
}
```

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(120, 228, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 183) }
```

Border

The CSS property to change the border of an element to YIQ 190.5780, -49.9230, -36.8910 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(120, 228, 183) }
```


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

```
.border{ border-color:rgb(120, 228, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 228, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 228, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 228, 183);  
box-shadow:4px 4px 4px 4px rgb(120, 228,  
183) }
```

Background

The CSS property to change the background color of an element to YIQ 190.5780, -49.9230, -36.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 183) }
```

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

```
.background{ background-color: rgb(120,  
228, 183) }
```

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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