

# Converting Colors

YIQ(200.5390, -80.5500,  
-38.0060)

Have a look what the booklet for  
YIQ(200.5390, -80.5500, -38.0060)  
contains.

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# Color

**YIQ(200.5390, -80.5500,  
-38.0060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64F7E1
RGB	100, 247, 225
RGB Percent	39%, 97%, 88%
CMY	0.6082, 0.0311, 0.1179
CMYK	0.60, 0.00, 0.09, 0.03
HSL	171°, 90%, 68%
HSV	171°, 60%, 97%
XYZ	52.1050, 74.6954, 82.8504
YIQ	200.5390, -80.5500, -38.0060

# Conversions

## Conversions Part 2

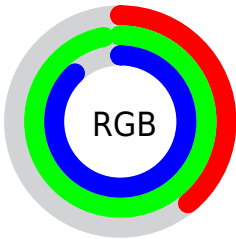
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">100, 179, 247</a>
Decimal	<a href="#">6617057</a>
CIELab	<a href="#">89.25, -44.45, -1.12</a>
CIElCh	<a href="#">89, 44.465, 181.448</a>
Yxy	<a href="#">74.6954, 0.2485, 0.3563</a>
Android (android.graphics.Color)	<a href="#">4284807137 (0xFF64F7E1)</a>
YUV	<a href="#">200.5390, 12.0593, -88.1727</a>
Hunter-Lab	<a href="#">86.4265, -43.6318, 3.6618</a>

# Details

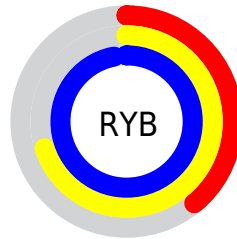
The YIQ color **200.5390, -80.5500, -38.0060** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **146.4610, 80.5500, 38.0060**, and the grayscale version is **200.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **227.4920, -54.8320, -19.5040**, and **130.9100, -106.8200, -46.5000** is the 20% darker color. If you saturate the color by 10%, you get **192.6080, -94.1660, -44.5500**, and if you desaturate by 10%, it is **208.4700, -66.9340, -31.4620**.

# Distribution



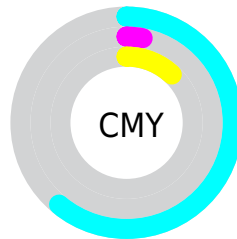
- Red (39%)
- Green (97%)
- Blue (88%)



- Red (39%)
- Yellow (70%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)



- Cyan (61%)
- Magenta (3%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 200.5390, -80.5500, -38.0060 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 200.5390, -80.5500, -38.0060 by changing the saturation by 10% instead.



200.5390,  
-80.5500, -38.0060

200.5390,  
-80.5500, -38.0060

255.0000, -0.0000,  
-0.0000

169.5600,  
-85.0430, -39.1790

227.4920,  
-54.8320, -19.5040

130.9100,  
-106.8200, -46.5000

236.7610,  
-36.3560, -12.9320

111.3960,  
-90.4530, -40.2530

246.0300,  
-17.8800, -6.3600

93.2840, -75.2780,  
-34.4300

74.5850, -59.8280,  
-28.0840

57.2880, -45.5700,  
-22.1620

40.5780, -31.5870,

-16.7630

■ 25.9710, -19.3920,  
-12.0000

■ 0.0000, 0.0000,  
0.0000

■ 200.5390,  
-80.5500, -38.0060

■ 200.5390,  
-80.5500, -38.0060

■ 192.6080,  
-94.1660, -44.5500

■ 208.4700,  
-66.9340, -31.4620

■ 184.9760,  
-107.1860, -50.8820

■ 215.9880,  
-53.5930, -25.4410

■ 177.1590,  
-121.1230, -57.1150

■ 223.9190,  
-39.9770, -18.8970

■ 169.2280,  
-134.7390, -63.6590

■ 231.8500,  
-26.3610, -12.3530

■ 168.9290,  
-135.3350, -63.8710

■ 239.4820,  
-13.3410, -6.0210

■ 247.2990, 0.5960,  
0.2120

■ 249.8480, 3.4840,  
2.9400

■ 250.3040, 2.2000,  
4.1840

# Harmonies

## Analogous

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



209.7340, -32.8670, -37.6270



200.5390, -80.5500, -38.0060



190.5150, -115.5330, -37.2690

# Triad

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



200.5390, -80.5500, -38.0060



223.4690, -2.1580, 17.0900



215.5550, 46.3090, -7.7630

# Complementary

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



200.5390, -80.5500, -38.0060



146.4610, 80.5500, 38.0060

# 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.



211.4580, 39.9330, 8.6770



200.5390, -80.5500, -38.0060



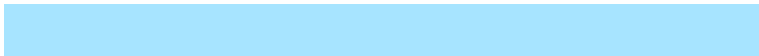
221.5410, 15.6750, 29.8110

# Square

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



200.5390, -80.5500, -38.0060



212.8390, -45.0230, -4.5350



213.8980, 27.5510, 23.8310



221.2090, 43.9270, -19.6650



# Rectangle

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



200.5390, -80.5500, -38.0060



193.5490, -103.7050, -31.3610



213.8980, 27.5510, 23.8310



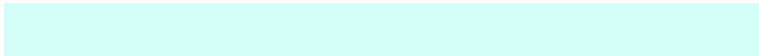
213.5320, 45.1160, -2.6600

# Sweetspot

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



200.5390, -80.5500, -38.0060



240.4480, -25.1690, -11.9290



193.4650, -26.1210, -71.7930



118.7590, -15.6790, -7.7030



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.



200.5390, -80.5500, -38.0060



197.8030, -99.2090, -46.7690



174.2840, -74.1370, -5.5370



118.2980, -6.8310, -2.8550



127.1940, -101.8680, -48.1400



40.3330, -32.2750, -15.3070



# Inverse Universe

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



146.4610, 80.5500, 38.0060



131.1970, 99.2090, 46.7690



172.7160, 74.1370, 5.5370



113.8160, 6.5100, 3.1660



58.8060, 101.8680, 48.1400

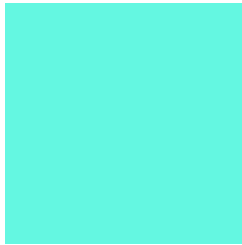


18.6670, 32.2750, 15.3070



# Previews

## White Background



This preview shows how the YIQ color 200.5390, -80.5500, -38.0060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

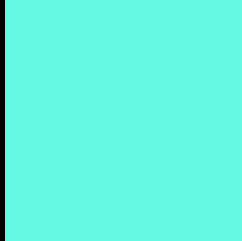
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 200.5390, -80.5500, -38.0060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

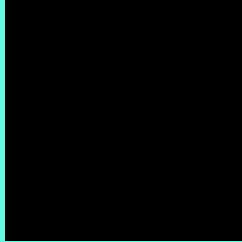
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

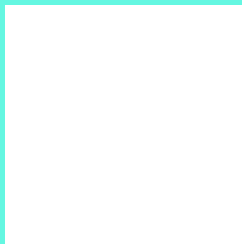
Any Text WCAG AAA ✓ Pass

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

# YIQ 200.5390, -80.5500, -38.0060 Background



This preview shows how black text looks on a background with the YIQ color 200.5390, -80.5500, -38.0060.



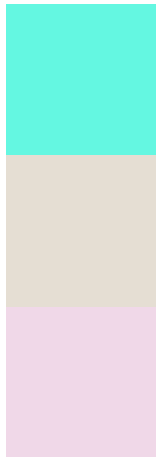
This preview shows how white text looks on a background with the YIQ color 200.5390, -80.5500,

-38.0060.

# 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

200.5390, -80.5500, -38.0060

### Protanopia

222.8390, 7.7030, -1.9370

### Deuteranopia

225.0000, 9.1680, 10.0640



## Tritanopia

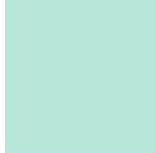
211.5220, -63.5440, -15.8000

# Trichromacy



## Original Color

200.5390, -80.5500, -38.0060



## Protanomaly

214.6390, -24.3890, -15.0530



## Deuteranomaly

215.8660, -23.2900, -7.4340



## Tritanomaly

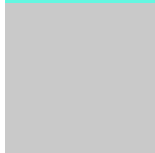
207.5440, -69.7780, -23.9700

# Monochromacy



## Original Color

200.5390, -80.5500, -38.0060



## Achromatopsia

201.0000, -0.0000, 0.0000



## Achromatomaly

200.9420, -29.6160, -13.9360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 200.5390, -80.5500, -38.0060 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(100, 247, 225)` looks like.

```
.text, #text, p{  
    color:rgb(100, 247, 225)  
}
```

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(100, 247, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 247, 225) }
```

## Border

The CSS property to change the border of an element to YIQ 200.5390, -80.5500, -38.0060 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(100, 247, 225) }
```



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

```
.border{ border-color:rgb(100, 247, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 247, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 247, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 247, 225);  
box-shadow:4px 4px 4px 4px rgb(100, 247,  
225) }
```

# Background

The CSS property to change the background color of an element to YIQ 200.5390, -80.5500, -38.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 247, 225) }
```

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

```
.background{ background-color: rgb(100,  
247, 225) }
```

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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