

Converting Colors

YIQ(202.8150, -90.3150,
-42.7550)

Have a look what the booklet for
YIQ(202.8150, -90.3150, -42.7550)
contains.

YIQ(202.8150, -90.3150, -42.7550)	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(202.8150, -90.3150,
-42.7550)**

Conversions

Conversions Part 1

Format	Color
Hex	5AFFE6
RGB	90, 255, 230
RGB Percent	35%, 100%, 90%
CMY	0.6474, 0.0000, 0.0984
CMYK	0.65, 0.00, 0.10, 0.00
HSL	171°, 100%, 68%
HSV	171°, 65%, 100%
XYZ	54.2371, 79.3968, 87.2658
YIQ	202.8150, -90.3150, -42.7550

Conversions

Conversions Part 2

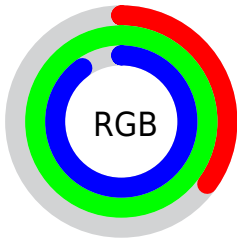
Format	Color
RYB	90, 179, 255
Decimal	5963750
CIELab	91.41, -48.27, -0.58
CIELCh	91, 48.272, 180.690
Yxy	79.3968, 0.2455, 0.3594
Android (android.graphics.Color)	4284153830 (0xFF5AFFE6)
YUV	202.8150, 13.4022, -98.9388
Hunter-Lab	89.1049, -47.2826, 4.3071

Details

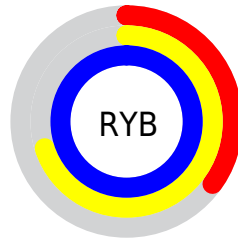
The YIQ color **202.8150, -90.3150, -42.7550** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **142.1850, 90.3150, 42.7550**, and the grayscale version is **203.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **225.6980, -58.4080, -20.7760**, and **135.5890, -110.3500, -48.6060** is the 20% darker color. If you saturate the color by 10%, you get **194.5850, -104.5270, -49.5110**, and if you desaturate by 10%, it is **210.7460, -76.6990, -36.2110**.

Distribution



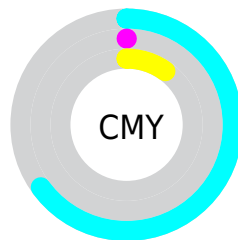
- Red (35%)
- Green (100%)
- Blue (90%)



- Red (35%)
- Yellow (70%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (65%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 202.8150, -90.3150, -42.7550 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 202.8150, -90.3150, -42.7550 by changing the saturation by 10% instead.

202.8150,
-90.3150, -42.7550

202.8150,
-90.3150, -42.7550

255.0000, -0.0000,
-0.0000

170.0420,
-98.3840, -45.2000

225.6980,
-58.4080, -20.7760

135.4750,
-110.0290, -48.9170

234.9670,
-39.9320, -14.2040

116.6620,
-94.2580, -42.8820

244.2360,
-21.4560, -7.6320

97.2620, -78.2120,
-36.3240

253.8040, -2.3840,
-0.8480

79.1500, -63.0370,
-30.5010

61.2660, -48.5040,
-24.0560

44.5560, -34.5210,

-18.6570

■ 29.2480, -21.7300,
-13.6820

■ 6.5540, -4.6760,
-3.3640

■ 202.8150,
-90.3150, -42.7550

■ 202.8150,
-90.3150, -42.7550

■ 194.5850,
-104.5270, -49.5110

■ 210.7460,
-76.6990, -36.2110

■ 186.6540,
-118.1430, -56.0550

■ 218.9760,
-62.4870, -29.4550

■ 178.4240,
-132.3550, -62.8110

■ 226.9070,
-48.8710, -22.9110

■ 174.3090,
-139.4610, -66.1890

■ 235.0230,
-34.3380, -16.4660

■ 242.9540,
-20.7220, -9.9220

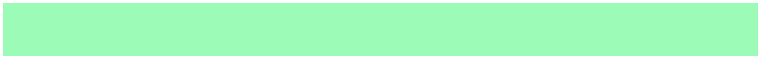
■ 251.1840, -6.5100,
-3.1660

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



214.8430, -34.7920, -41.2880



202.8150, -90.3150, -42.7550



178.1680, -151.7050, -53.5370

Triad

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



202.8150, -90.3150, -42.7550



227.8990, -0.5530, 15.5350



217.9030, 45.2090, -9.8550

Complementary

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



202.8150, -90.3150, -42.7550



142.1850, 90.3150, 42.7550

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.



213.5610, 38.1450, 8.0410



202.8150, -90.3150, -42.7550



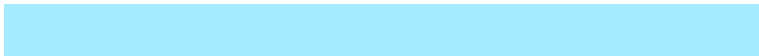
223.8890, 14.5750, 27.7190

Square

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



202.8150, -90.3150, -42.7550



216.0510, -48.7360, -8.8320



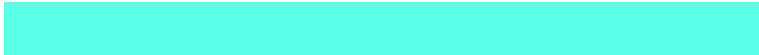
216.4570, 24.4790, 24.4390



225.6990, 45.3030, -22.5770

Rectangle

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



202.8150, -90.3150, -42.7550



188.6770, -124.9770, -42.3290



216.4570, 24.4790, 24.4390



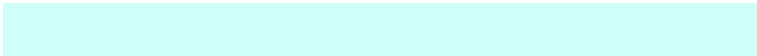
215.9940, 43.6950, -4.4410

Sweetspot

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



202.8150, -90.3150, -42.7550



239.8500, -26.3610, -12.3530



194.9280, -29.2830, -80.5710



118.4600, -16.2750, -7.9150



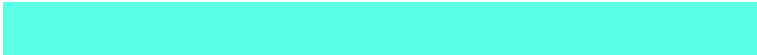
0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



202.8150, -90.3150, -42.7550



192.0790, -108.9740, -51.5180



173.3800, -83.2150, -6.2150



123.8850, -7.1060, -3.3780



130.5850, -104.5270, -49.5110



43.7240, -34.9340, -16.6780

Inverse Universe

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



142.1850, 90.3150, 42.7550



118.9210, 108.9740, 51.5180



171.6200, 83.2150, 6.2150



119.1150, 7.1060, 3.3780



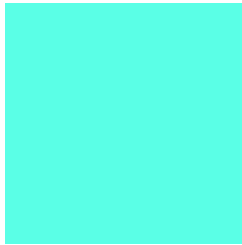
60.4150, 104.5270, 49.5110



20.2760, 34.9340, 16.6780

Previews

White Background



This preview shows how the YIQ color 202.8150, -90.3150, -42.7550 looks on a white background.

Color Contrast Check

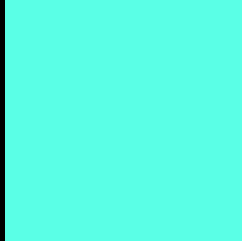
Large Text (above 18pt) WCAG AA × Fail

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 202.8150, -90.3150, -42.7550 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

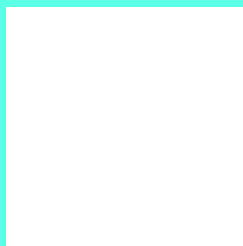
Any Text WCAG AAA ✓ Pass

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

YIQ 202.8150, -90.3150, -42.7550 Background



This preview shows how black text looks on a background with the YIQ color 202.8150, -90.3150, -42.7550.



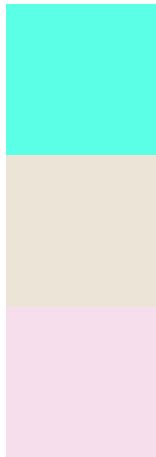
This preview shows how white text looks on a background with the YIQ color 202.8150, -90.3150, -42.7550.

-42.7550.

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

202.8150, -90.3150, -42.7550

Protanopia

228.9100, 8.9410, -2.3470

Deuteranopia

231.1850, 10.0850, 9.9650



Tritanopia

220.7580, -49.4690, -12.0690

Trichromacy



Original Color

202.8150, -90.3150, -42.7550



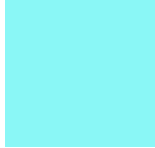
Protanomaly

219.5030, -27.0020, -17.2580



Deuteranomaly

220.8440, -26.2240, -9.3280



Tritanomaly

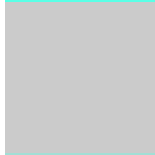
214.2950, -64.6430, -23.4190

Monochromacy



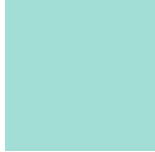
Original Color

202.8150, -90.3150, -42.7550



Achromatopsia

203.0000, 0.0000, -0.0000



Achromatomaly

203.0340, -32.8710, -15.5190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 202.8150, -90.3150, -42.7550 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(90, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(90, 255, 230)  
}
```

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(90, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 230) }
```

Border

The CSS property to change the border of an element to YIQ 202.8150, -90.3150, -42.7550 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(90, 255, 230) }
```


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

```
.border{ border-color:rgb(90, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
230) }
```

Background

The CSS property to change the background color of an element to YIQ 202.8150, -90.3150, -42.7550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 255, 230) }
```

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

```
.background{ background-color: rgb(90, 255,  
230) }
```

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