

# Converting Colors

YIQ(220.5610, -42.0850,  
-24.7490)

Have a look what the booklet for  
YIQ(220.5610, -42.0850, -24.7490)  
contains.

<b>YIQ(220.5610, -42.0850, -24.7490)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(220.5610, -42.0850,  
-24.7490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F8E1
RGB	165, 248, 225
RGB Percent	65%, 97%, 88%
CMY	0.3531, 0.0273, 0.1178
CMYK	0.33, 0.00, 0.09, 0.03
HSL	163°, 86%, 81%
HSV	163°, 33%, 97%
XYZ	62.6693, 80.5839, 83.4582
YIQ	220.5610, -42.0850, -24.7490

# Conversions

## Conversions Part 2

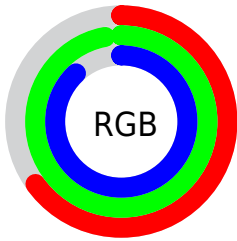
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 213, 248
Decimal	10877153
CIELab	91.95, -30.10, 3.08
CIElCh	92, 30.256, 174.158
Yxy	80.5839, 0.2764, 0.3554
Android (android.graphics.Color)	4289067233 (0xFFA5F8E1)
YUV	220.5610, 2.1884, -48.7270
Hunter-Lab	89.7686, -32.4803, 7.7158

# Details

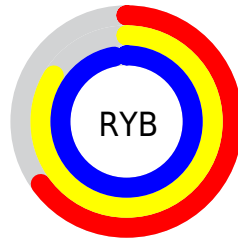
The YIQ color **220.5610, -42.0850, -24.7490** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **192.4390, 42.0850, 24.7490**, and the grayscale version is **221.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **245.1330, -19.6680, -6.9960**, and **164.3870, -41.5350, -23.7030** is the 20% darker color. If you saturate the color by 10%, you get **212.2880, -54.7380, -32.2260**, and if you desaturate by 10%, it is **228.8340, -29.4320, -17.2720**.

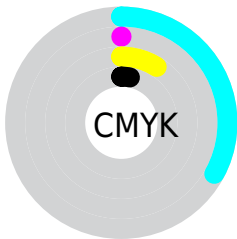
# Distribution



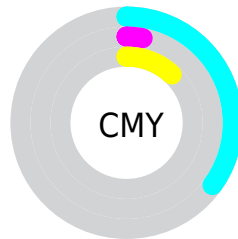
- Red (65%)
- Green (97%)
- Blue (88%)



- Red (65%)
- Yellow (84%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)



- Cyan (35%)
- Magenta (3%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 220.5610, -42.0850, -24.7490 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 220.5610, -42.0850, -24.7490 by changing the saturation by 10% instead.



■ 220.5610,  
-42.0850, -24.7490

■ 220.5610,  
-42.0850, -24.7490

■ 255.0000, -0.0000,  
-0.0000

■ 191.9740,  
-41.8100, -24.2260

■ 245.1330,  
-19.6680, -6.9960

■ 164.3870,  
-41.5350, -23.7030

■ 254.1030, -1.7880,  
-0.6360

■ 137.0880,  
-42.1310, -23.9150

■ 110.0170,  
-43.3690, -23.5050

■ 82.9240, -47.5410,  
-24.9890

■ 59.0490, -46.3950,  
-23.7310

■ 42.3390, -32.4120,

-18.3320

■ 26.4440, -19.3460,  
-12.8340

■ 7.6310, -3.5750,  
-6.7990

■ 220.5610,  
-42.0850, -24.7490

■ 220.5610,  
-42.0850, -24.7490

■ 212.2880,  
-54.7380, -32.2260

■ 228.8340,  
-29.4320, -17.2720

■ 204.0150,  
-67.3910, -39.7030

■ 237.1070,  
-16.7790, -9.7950

■ 196.0410,  
-79.4480, -46.9680

■ 245.0810, -4.7220,  
-2.5300

■ 187.7680,  
-92.1010, -54.4450

■ 250.6630, 2.5670,  
3.0390

■ 179.6090,  
-105.0750, -61.6110

■ 250.8910, 1.9250,  
3.6610

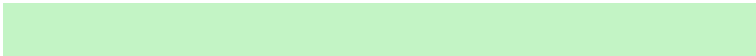
■ 171.3360,  
-117.7280, -69.0880

■ 165.9820,  
-125.6590, -74.0350

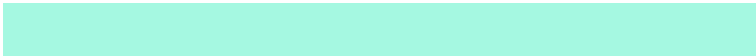
# Harmonies

## Analogous

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



223.9910, -14.1170, -25.0050



220.5610, -42.0850, -24.7490



218.8980, -61.8470, -19.0230

# Triad

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



220.5610, -42.0850, -24.7490



230.2030, -7.5210, 9.6550



226.0020, 32.0490, -2.6310

# Complementary

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



220.5610, -42.0850, -24.7490



192.4390, 42.0850, 24.7490

# 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.



224.5150, 26.5910, 8.1830



220.5610, -42.0850, -24.7490



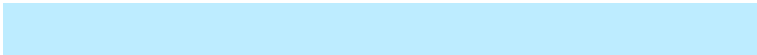
232.6940, 10.4500, 19.8740

# Square

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



220.5610, -42.0850, -24.7490



224.1130, -34.1110, -4.0550



227.3480, 17.2360, 18.0360

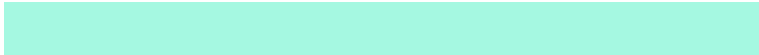


229.9170, 33.4260, -11.0700



# Rectangle

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



220.5610, -42.0850, -24.7490



218.6210, -59.5090, -17.3410



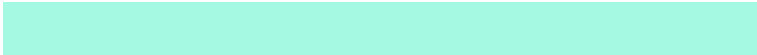
227.3480, 17.2360, 18.0360



225.0390, 30.6270, 1.1150

# Sweetspot

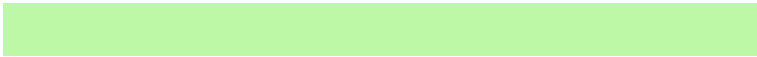
The Sweet Spot groups the original color and five complimentary colors.



220.5610, -42.0850, -24.7490



246.7270, -12.6530, -7.4770



220.5980, -9.1170, -38.5330



122.6460, -7.9310, -4.9470



0.0000, 0.0000, 0.0000

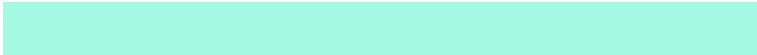


128.0000, -0.0000, -0.0000

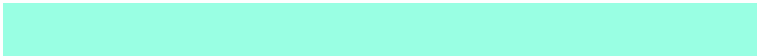


# Same Dimension

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



220.5610, -42.0850, -24.7490



221.3100, -51.8040, -30.3320



212.6170, -44.5180, -8.1820



120.6570, -6.4640, -4.0000



126.4470, -95.6310, -56.5510



40.8230, -30.8990, -18.2190



# Inverse Universe

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



192.4390, 42.0850, 24.7490



186.6900, 51.8040, 30.3320



200.3830, 44.5180, 8.1820



116.3430, 6.4640, 4.0000



62.4390, 95.9520, 56.2400

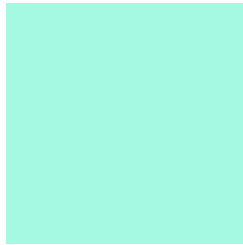


20.1770, 30.8990, 18.2190



# Previews

## White Background



This preview shows how the YIQ color 220.5610, -42.0850, -24.7490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

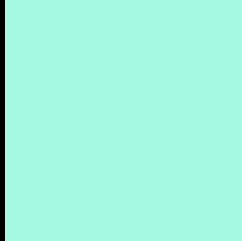
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 220.5610, -42.0850, -24.7490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

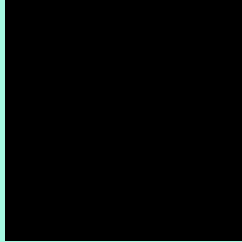
Any Text WCAG AA ✓ Pass

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 220.5610, -42.0850, -24.7490 Background



This preview shows how black text looks on a background with the YIQ color 220.5610, -42.0850, -24.7490.



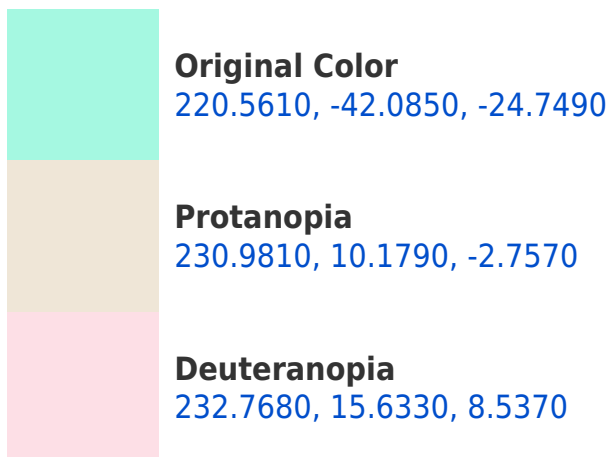
This preview shows how white text looks on a background with the YIQ color 220.5610, -42.0850,

-24.7490.

# 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





## Tritanopia

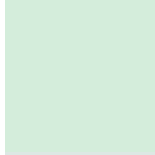
226.4610, -35.2110, -6.1470

# Trichromacy



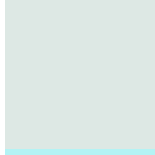
## Original Color

220.5610, -42.0850, -24.7490



## Protanomaly

227.4730, -9.1220, -10.8980



## Deuteranomaly

228.2550, -5.2720, -3.5760



## Tritanomaly

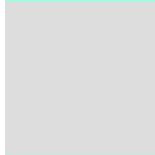
224.2770, -37.8690, -13.0450

# Monochromacy



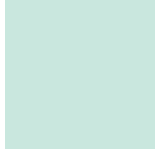
## Original Color

220.5610, -42.0850, -24.7490



## Achromatopsia

221.0000, 0.0000, 0.0000



## Achromatomaly

221.0040, -14.9910, -9.1590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 220.5610, -42.0850, -24.7490 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(165, 248, 225)` looks like.

```
.text, #text, p{  
    color:rgb(165, 248, 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(165, 248, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 248, 225) }
```

## Border

The CSS property to change the border of an element to YIQ 220.5610, -42.0850, -24.7490 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(165, 248, 225) }
```



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

```
.border{ border-color:rgb(165, 248, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 248, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 248, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 248, 225);  
box-shadow:4px 4px 4px 4px rgb(165, 248,  
225) }
```

# Background

The CSS property to change the background color of an element to YIQ 220.5610, -42.0850, -24.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 248, 225) }
```

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

```
.background{ background-color: rgb(165,  
248, 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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