

Converting Colors

YIQ(168.4210, -45.7610,
19.8630)

Have a look what the booklet for
YIQ(168.4210, -45.7610, 19.8630)
contains.

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Color

**YIQ(168.4210, -45.7610,
19.8630)**

Conversions

Conversions Part 1

Format	Color
Hex	89A8FD
RGB	137, 168, 253
RGB Percent	54%, 66%, 99%
CMY	0.4627, 0.3411, 0.0081
CMYK	0.46, 0.34, 0.00, 0.01
HSL	224°, 97%, 76%
HSV	224°, 46%, 99%
XYZ	42.0403, 40.4159, 98.4611
YIQ	168.4210, -45.7610, 19.8630

Conversions

Conversions Part 2

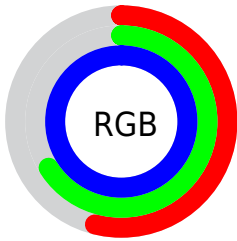
Format	Color
RYB	137, 161, 253
Decimal	9021693
CIELab	69.76, 11.28, -45.53
CIElCh	70, 46.911, 283.919
Yxy	40.4159, 0.2324, 0.2234
Android (android.graphics.Color)	4287211773 (0xFF89A8FD)
YUV	168.4210, 41.6974, -27.5562
Hunter-Lab	63.5735, 6.7860, -47.3255

Details

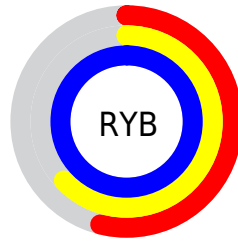
The YIQ color $168.4210, -45.7610, 19.8630$ is a light color, and the websafe version is hex $6699FF$. A complement of this color would be $221.5790, 45.7610, -19.8630$, and the grayscale version is $168.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $218.2760, -26.9600, 4.0160$, and $114.0570, -47.7320, 17.0360$ is the 20% darker color. If you saturate the color by 10%, you get $149.7930, -55.4360, 24.5000$, and if you desaturate by 10%, it is $187.0490, -36.0860, 15.2260$.

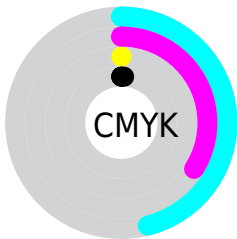
Distribution



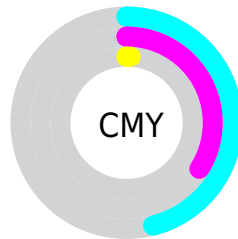
- Red (54%)
- Green (66%)
- Blue (99%)



- Red (54%)
- Yellow (63%)
- Blue (99%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)



- Cyan (46%)
- Magenta (34%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.4210, -45.7610, 19.8630 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 168.4210, -45.7610, 19.8630 by changing the saturation by 10% instead.

■ 168.4210,
-45.7610, 19.8630

■ 168.4210,
-45.7610, 19.8630

■ 255.0000, -0.0000,
-0.0000

■ 141.1820,
-46.5860, 18.2940

■ 218.2760,
-26.9600, 4.0160

■ 114.0570,
-47.7320, 17.0360

■ 243.3830,
-17.3760, -4.4800

■ 87.2090, -51.2160,
14.0960

■ 254.7010, -0.5960,
-0.2120

■ 56.6910, -64.5570,
8.0750

■ 40.8130, -50.1610,
11.4950

■ 26.1090, -36.3150,
13.8690

■ 7.6380, -21.5070,

20.8370

■ 6.6630, -14.6280,
11.8040

■ 3.0950, -7.3370,
6.3190

■ 168.4210,
-45.7610, 19.8630

■ 168.4210,
-45.7610, 19.8630

■ 149.7930,
-55.4360, 24.5000

■ 187.0490,
-36.0860, 15.2260

■ 131.4530,
-65.9820, 28.4020

■ 205.3890,
-25.5400, 11.3240

■ 112.8250,
-75.6570, 33.0390

■ 224.0170,
-15.8650, 6.6870

■ 94.7840, -85.6070,
37.1530

■ 242.0580, -5.9150,
2.5730

■ 76.1560, -95.2820,
41.7900

254.7720, 0.6420,
-0.6220

■ 68.7580, -99.9130,
43.1190

Harmonies

Analogous

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



142.1510, -116.3630, -11.2030



168.4210, -45.7610, 19.8630



175.4720, 2.9280, 35.0560

Triad

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



168.4210, -45.7610, 19.8630



170.6540, 68.6800, 10.8240



148.3810, -59.7340, -40.8060

Complementary

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



168.4210, -45.7610, 19.8630



221.5790, 45.7610, -19.8630

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.



159.6630, -7.7420, -35.9180



168.4210, -45.7610, 19.8630



168.5360, 56.4880, -10.5200

Square

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



168.4210, -45.7610, 19.8630



172.5080, 64.0000, 29.5680



164.7510, 30.3570, -27.0430



134.3640, -113.7900, -41.3260

Rectangle

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



168.4210, -45.7610, 19.8630



175.3520, 29.7490, 39.0690



164.7510, 30.3570, -27.0430



153.0860, -39.7900, -38.8140

Sweetspot

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



168.4210, -45.7610, 19.8630



228.9740, -14.3060, 5.9660



214.5540, -58.5430, -34.8550



112.0300, -8.7120, 3.7040



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.



168.4210, -45.7610, 19.8630



152.6790, -55.1150, 24.1890



157.6990, -22.3360, 41.3760



118.2430, -4.9980, 2.4740



51.7110, -75.3360, 32.7280



17.2750, -25.2190, 11.0130

Inverse Universe

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



175.2180, 59.1850, 34.2330



161.0780, 71.5630, 41.1870



232.3010, 22.3360, -41.3760



119.2290, 6.7850, 3.6890



62.9230, 97.4650, 56.3530



21.0740, 32.6870, 18.8550

Previews

White Background



This preview shows how the YIQ color 168.4210, -45.7610, 19.8630 looks on a white background.

Color Contrast Check

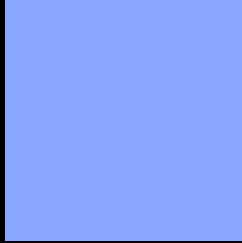
Large Text (above 18pt) WCAG AA × Fail

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 168.4210, -45.7610, 19.8630 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 168.4210, -45.7610, 19.8630

Background



This preview shows how black text looks on a background with the YIQ color 168.4210, -45.7610, 19.8630.



This preview shows how white text looks on a background with the YIQ color 168.4210, -45.7610, 19.8630.

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

168.4210, -45.7610, 19.8630

Protanopia

168.9160, -42.7810, 20.9230

Deuteranopia

167.8120, -48.4200, 18.4920



Tritanopia

163.6560, -40.2540, -8.3660

Trichromacy



Original Color

168.4210, -45.7610, 19.8630

Protanomaly

168.6170, -43.3770, 20.7110

Deuteranomaly

168.1110, -47.8240, 18.7040

Tritanomaly

165.4960, -42.3190, 1.5290

Monochromacy



Original Color

168.4210, -45.7610, 19.8630

Achromatopsia

168.0000, -0.0000, -0.0000

Achromatomaly

168.2450, -16.5070, 7.3090

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.4210, -45.7610, 19.8630 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(137, 168, 253)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 253)  
}
```

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(137, 168, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 253) }
```

Border

The CSS property to change the border of an element to YIQ 168.4210, -45.7610, 19.8630 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(137, 168, 253) }
```


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

```
.border{ border-color:rgb(137, 168, 253) }
```

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

Here you see how a box with a 4 pixel rgb(137, 168, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 253);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
253) }
```

Background

The CSS property to change the background color of an element to YIQ 168.4210, -45.7610, 19.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 253) }
```

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

```
.background{ background-color: rgb(137,  
168, 253) }
```

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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