

Converting Colors

YIQ(209.4850, 49.0750,
-90.9650)

Have a look what the booklet for
YIQ(209.4850, 49.0750, -90.9650)
contains.

YIQ(209.4850, 49.0750, -90.9650)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

**YIQ(209.4850, 49.0750,
-90.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FF00
RGB	200, 255, 0
RGB Percent	78%, 100%, 0%
CMY	0.2160, 0.0000, 0.9995
CMYK	0.22, 0.00, 1.00, 0.00
HSL	73°, 100%, 50%
HSV	73°, 100%, 100%
XYZ	59.5602, 83.7894, 13.0367
YIQ	209.4850, 49.0750, -90.9650

Conversions

Conversions Part 2

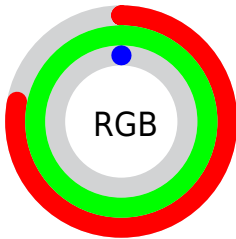
Format	Color
RYB	0, 255, 55
Decimal	13172480
CIELab	93.36, -43.51, 89.98
CIELCh	93, 99.942, 115.806
Yxy	83.7894, 0.3809, 0.5358
Android (android.graphics.Color)	4291362560 (0xFFC8FF00)
YUV	209.4850, -103.2761, -8.3183
Hunter-Lab	91.5366, -44.0441, 55.6315

Details

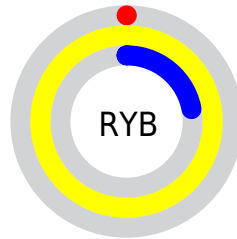
The YIQ color **209.4850, 49.0750, -90.9650** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **45.5150, -49.0750, 90.9650**, and the grayscale version is **210.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **236.7600, 51.3600, -49.7600**, and **158.0860, 28.9900, -73.8740** is the 20% darker color. If you saturate the color by 10%, you get **209.4850, 49.0750, -90.9650**, and if you desaturate by 10%, it is **213.9440, 43.7090, -81.8190**.

Distribution



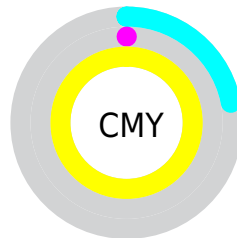
- Red (78%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (22%)



- Cyan (22%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 209.4850, 49.0750, -90.9650 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 209.4850, 49.0750, -90.9650 by changing the saturation by 10% instead.


 209.4850, 49.0750,
-90.9650


 209.4850, 49.0750,
-90.9650


 255.0000, -0.0000,
-0.0000


 183.4920, 39.1700,
-82.1580

 236.7600, 51.3600,
-49.7600


 158.0860, 28.9900,
-73.8740


 240.2940, 41.4090,
-40.1190


 133.2670, 18.5350,
-66.1130


 243.7140, 31.7790,
-30.7890

 108.7470, 8.6760,
-58.1400

 247.1340, 22.1490,
-21.4590

 83.6180, -3.8420,
-51.5380

 250.5540, 12.5190,
-12.1290

 55.4880, -23.7870,
-48.0030

 254.0880, 2.5680,

 39.9160, -18.7000,

-2.4880

-35.5640

■ 27.0020, -12.6500,
-24.0580

■ 11.7400, -5.5000,
-10.4600

■ 209.4850, 49.0750,
-90.9650

■ 213.9440, 43.7090,
-81.8190

■ 218.5880, 39.2600,
-72.7720

■ 223.0470, 33.8940,
-63.6260

■ 227.6910, 29.4450,
-54.5790

■ 232.1500, 24.0790,
-45.4330

■ 236.7940, 19.6300,
-36.3860

■ 241.2530, 14.2640,
-27.2400

■ 245.8970, 9.8150,
-18.1930

■ 250.6550, 5.0450,
-8.8350

Harmonies

Analogous

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



209.4940, 89.5550, -64.6610



209.4850, 49.0750, -90.9650



165.1590, -105.0690, -94.7730

Triad

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



209.4850, 49.0750, -90.9650



178.7550, -151.9800, -54.0600



184.4460, 33.3210, 62.4490

Complementary

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



209.4850, 49.0750, -90.9650



45.5150, -49.0750, 90.9650

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.



205.1050, 23.3750, 44.4550



209.4850, 49.0750, -90.9650



176.9940, -151.1550, -52.4910

Square

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



209.4850, 49.0750, -90.9650



178.7550, -151.9800, -54.0600



217.1570, -19.0750, 9.7970



179.9590, 61.1120, 26.8400

Rectangle

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



209.4850, 49.0750, -90.9650



170.7750, -129.5100, -75.8300



217.1570, -19.0750, 9.7970



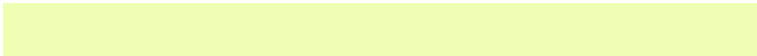
189.2560, 30.8000, 58.5760

Sweetspot

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



209.4850, 49.0750, -90.9650



241.2530, 14.2640, -27.2400



106.1820, 137.9550, 27.3870



119.7660, 8.8060, -16.4260



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.



209.4850, 49.0750, -90.9650



172.7080, -24.2330, -117.0410



125.6210, 2.3850, -4.6790



156.9670, 36.8750, -68.0930



52.5180, 12.2000, -22.8720

Inverse Universe

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



45.5150, -49.0750, 90.9650



82.5910, 24.8290, 117.2530



117.3790, -2.3850, 4.6790



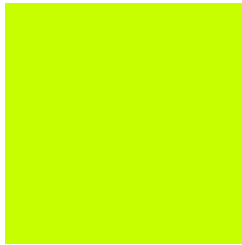
34.0330, -36.8750, 68.0930



11.4820, -12.2000, 22.8720

Previews

White Background



This preview shows how the YIQ color 209.4850, 49.0750, -90.9650 looks on a white background.

Color Contrast Check

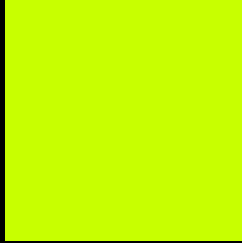
Large Text (above 18pt) WCAG AA × Fail

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 209.4850, 49.0750, -90.9650 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 209.4850, 49.0750, -90.9650

Background



This preview shows how black text looks on a background with the YIQ color 209.4850, 49.0750, -90.9650.



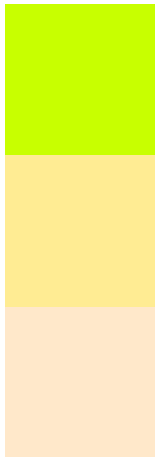
This preview shows how white text looks on a background with the YIQ color 209.4850, 49.0750, -90.9650.

-90.9650.

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

209.4850, 49.0750, -90.9650

Protanopia

231.5350, 39.8930, -23.6510

Deuteranopia

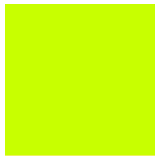
235.4570, 23.3380, -4.4540



Tritanopia

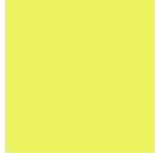
234.5670, -14.7180, 2.4180

Trichromacy



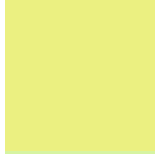
Original Color

209.4850, 49.0750, -90.9650



Protanomaly

223.6220, 43.0610, -48.0350



Deuteranomaly

225.8510, 32.6510, -35.5810



Tritanomaly

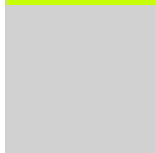
225.6820, 8.4420, -31.8620

Monochromacy



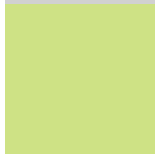
Original Color

209.4850, 49.0750, -90.9650



Achromatopsia

209.0000, 0.0000, 0.0000



Achromatomaly

209.4180, 17.9330, -33.1630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 209.4850, 49.0750, -90.9650 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(200, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 0)  
}
```

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(200, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 0) }
```

Border

The CSS property to change the border of an element to YIQ 209.4850, 49.0750, -90.9650 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(200, 255, 0) }
```

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

```
.border{ border-color:rgb(200, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(200, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
0) }
```

Background

The CSS property to change the background color of an element to YIQ 209.4850, 49.0750, -90.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 0) }
```

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

```
.background{ background-color: rgb(200,  
255, 0) }
```

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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