

Converting Colors

YIQ(209.0200, 20.1880,
-79.5560)

Have a look what the booklet for
YIQ(209.0200, 20.1880, -79.5560)
contains.

YIQ(209.0200, 20.1880, -79.5560)	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(209.0200, 20.1880,
-79.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FF33
RGB	179, 255, 51
RGB Percent	70%, 100%, 20%
CMY	0.2983, 0.0000, 0.7997
CMYK	0.30, 0.00, 0.80, 0.00
HSL	82°, 100%, 60%
HSV	82°, 80%, 100%
XYZ	54.9311, 81.3339, 15.9428
YIQ	209.0200, 20.1880, -79.5560

Conversions

Conversions Part 2

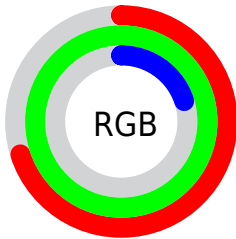
Format	Color
RYB	51, 255, 127
Decimal	11796275
CIELab	92.28, -50.24, 81.28
CIELCh	92, 95.551, 121.723
Yxy	81.3339, 0.3609, 0.5344
Android (android.graphics.Color)	4289986355 (0xFFB3FF33)
YUV	209.0200, -77.9039, -26.3275
Hunter-Lab	90.1853, -49.1014, 52.6485

Details

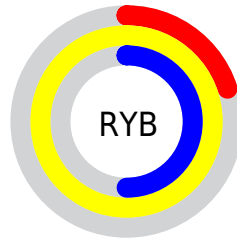
The YIQ color **209.0200, 20.1880, -79.5560** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **96.9800, -20.1880, 79.5560**, and the grayscale version is **210.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **234.2560, 35.4040, -46.9320**, and **152.1060, 17.0700, -78.1140** is the 20% darker color. If you saturate the color by 10%, you get **203.1800, 22.2530, -89.4510**, and if you desaturate by 10%, it is **214.6750, 17.2060, -69.5620**.

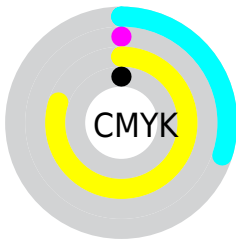
Distribution



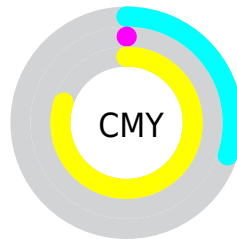
- Red (70%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (50%)



- Cyan (30%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 209.0200, 20.1880, -79.5560 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 209.0200, 20.1880, -79.5560 by changing the saturation by 10% instead.

 209.0200, 20.1880,
-79.5560


 209.0200, 20.1880,
-79.5560


255.0000, -0.0000,
-0.0000


 177.2130, 26.6540,
-86.6100

 234.2560, 35.4040,
-46.9320


 151.8070, 16.4740,
-78.3260


 242.4600, 35.3100,
-34.2100


 126.4010, 6.2940,
-70.0420


 245.7660, 26.0010,
-25.1910

 101.2830, -4.7570,
-62.4930

 249.1860, 16.3710,
-15.8610

 73.4630, -22.6390,
-57.7990

 252.4920, 7.0620,
-6.8420

 54.0040, -25.3000,
-48.1160

 39.3290, -18.4250,

-35.0410

■ 26.4150, -12.3750,
-23.5350

■ 8.8050, -4.1250,
-7.8450

■ 209.0200, 20.1880,
-79.5560

■ 209.0200, 20.1880,
-79.5560

■ 203.1800, 22.2530,
-89.4510

■ 214.6750, 17.2060,
-69.5620

■ 197.5250, 25.2350,
-99.4450

■ 220.5150, 15.1410,
-59.6670

■ 226.1700, 12.1590,
-49.6730

■ 232.0100, 10.0940,
-39.7780

■ 237.6650, 7.1120,
-29.7840

■ 243.5050, 5.0470,
-19.8890

■ 249.4590, 2.6610,
-9.6830

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.



211.2550, 88.7300, -66.2300



209.0200, 20.1880, -79.5560



165.7590, -115.3860, -89.5140

Triad

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



209.0200, 20.1880, -79.5560



178.7550, -151.9800, -54.0600



182.9980, 40.1540, 54.2500

Complementary

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



209.0200, 20.1880, -79.5560



96.9800, -20.1880, 79.5560

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.



200.9960, 25.3000, 48.1160



209.0200, 20.1880, -79.5560



171.1240, -148.4050, -47.2610

Square

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



209.0200, 20.1880, -79.5560



178.7550, -151.9800, -54.0600



220.8550, 2.7470, 21.8110



183.4180, 63.7730, 17.1570

Rectangle

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



209.0200, 20.1880, -79.5560



172.8270, -135.2880, -70.2320



220.8550, 2.7470, 21.8110



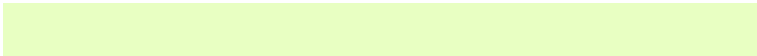
188.6690, 31.0750, 59.0990

Sweetspot

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



209.0200, 20.1880, -79.5560



241.1690, 5.8730, -23.8470



156.0210, 100.9590, 4.0230



119.5960, 3.5330, -14.4750



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.



209.0200, 20.1880, -79.5560



199.8610, 24.4090, -95.4870



178.8210, -40.0080, -100.9680



125.0230, 1.1930, -5.1030



147.9970, 18.9950, -74.4530



49.5280, 6.2400, -24.9920

Inverse Universe

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



96.9800, -20.1880, 79.5560



65.4380, -23.8130, 95.6990



127.1790, 40.0080, 100.9680



117.9770, -1.1930, 5.1030



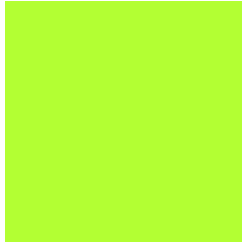
43.0030, -18.9950, 74.4530



14.4720, -6.2400, 24.9920

Previews

White Background



This preview shows how the YIQ color 209.0200, 20.1880, -79.5560 looks on a white background.

Color Contrast Check

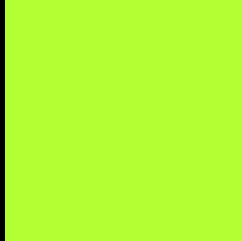
Large Text (above 18pt) WCAG AA × Fail

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 209.0200, 20.1880, -79.5560 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 209.0200, 20.1880, -79.5560

Background



This preview shows how black text looks on a background with the YIQ color 209.0200, 20.1880, -79.5560.



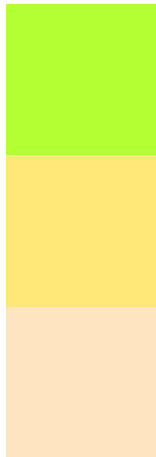
This preview shows how white text looks on a background with the YIQ color 209.0200, 20.1880,

-79.5560.

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

209.0200, 20.1880, -79.5560

Protanopia

226.1090, 49.6600, -29.9560

Deuteranopia

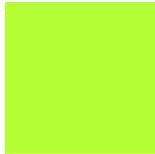
231.9690, 27.6480, -5.4720



Tritanopia

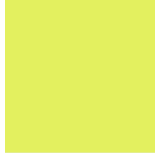
229.4840, -24.8500, -1.1860

Trichromacy



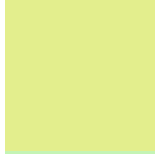
Original Color

209.0200, 20.1880, -79.5560



Protanomaly

219.5830, 38.7970, -47.8510



Deuteranomaly

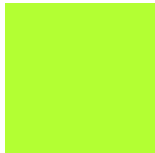
223.6530, 24.5810, -32.4990



Tritanomaly

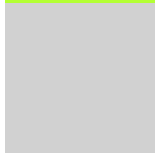
222.4660, -8.3850, -29.7690

Monochromacy



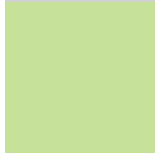
Original Color

209.0200, 20.1880, -79.5560



Achromatopsia

209.0000, 0.0000, 0.0000



Achromatomaly

209.1920, 7.0660, -28.9500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 209.0200, 20.1880, -79.5560 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(179, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 51)  
}
```

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(179, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 51) }
```

Border

The CSS property to change the border of an element to YIQ 209.0200, 20.1880, -79.5560 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(179, 255, 51) }
```


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

```
.border{ border-color:rgb(179, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
51) }
```

Background

The CSS property to change the background color of an element to YIQ 209.0200, 20.1880, -79.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 51) }
```

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

```
.background{ background-color: rgb(179,  
255, 51) }
```

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