

Converting Colors

YIQ(157.9520, 14.8680,
-71.2440)

Have a look what the booklet for
YIQ(157.9520, 14.8680, -71.2440)
contains.

| | |
|------------------------------------------------|----|
| YIQ(157.9520, 14.8680, -71.2440) | 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(157.9520, 14.8680,
-71.2440)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 80C814 |
| RGB | 128, 200, 20 |
| RGB Percent | 50%, 78%, 8% |
| CMY | 0.4983, 0.2156, 0.9213 |
| CMYK | 0.36, 0.00, 0.90, 0.22 |
| HSL | 84°, 82%, 43% |
| HSV | 84°, 90%, 78% |
| XYZ | 29.6791, 45.9566, 7.9705 |
| YIQ | 157.9520, 14.8680, -71.2440 |

Conversions

Conversions Part 2

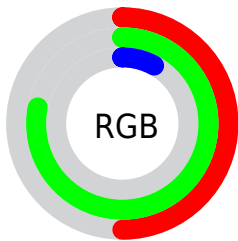
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 20, 200, 92 |
| Decimal | 8439828 |
| CIE _{Lab} | 73.52, -46.64, 70.68 |
| CIE _{LCh} | 74, 84.677, 123.419 |
| Yxy | 45.9566, 0.3550, 0.5497 |
| Android (android.graphics.Color) | 4286629908 (0xFF80C814) |
| YUV | 157.9520, -68.0103, -26.2679 |
| Hunter-Lab | 67.7913, -40.4873, 40.4830 |

Details

The YIQ color **157.9520, 14.8680, -71.2440** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **62.0480, -14.8680, 71.2440**, and the grayscale version is **159.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **215.3310, 12.4830, -66.5650**, and **105.7460, 1.2490, -61.2070** is the 20% darker color. If you saturate the color by 10%, you get **153.2800, 16.5200, -79.1600**, and if you desaturate by 10%, it is **162.6240, 13.2160, -63.3280**.

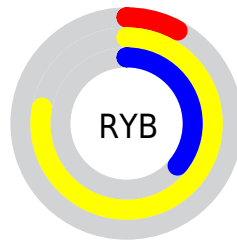
Distribution



Red (50%)

Green (78%)

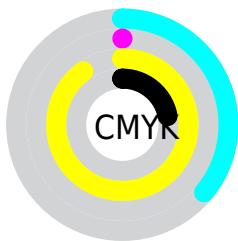
Blue (8%)



Red (8%)

Yellow (78%)

Blue (36%)

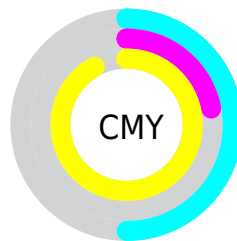


Cyan (36%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (50%)

Magenta (22%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 157.9520, 14.8680, -71.2440 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 157.9520, 14.8680, -71.2440 by changing the saturation by 10% instead.

■ 157.9520, 14.8680,
-71.2440

■ 157.9520, 14.8680,
-71.2440

■ 255.0000, -0.0000,
-0.0000

■ 130.5650, 11.7040,
-68.9680

■ 215.3310, 12.4830,
-66.5650

■ 105.7460, 1.2490,
-61.2070

■ 227.6070, 21.0540,
-51.1860

■ 80.9160, -10.6730,
-54.3930

■ 239.7690, 29.9460,
-36.1180

■ 55.1780, -25.8500,
-49.1620

■ 245.7660, 26.0010,
-25.1910

■ 40.5030, -18.9750,
-36.0870

■ 249.0720, 16.6920,
-16.1720

■ 27.5890, -12.9250,
-24.5810

■ 252.3780, 7.3830,

■ 12.3270, -5.7750,

-7.1530

-10.9830

■ 0.0000, 0.0000,
0.0000

■ 157.9520, 14.8680,
-71.2440

■ 157.9520, 14.8680,
-71.2440

■ 153.2800, 16.5200,
-79.1600

■ 162.6240, 13.2160,
-63.3280

■ 167.2960, 11.5640,
-55.4120

■ 171.9680, 9.9120,
-47.4960

■ 176.6400, 8.2600,
-39.5800

■ 181.3120, 6.6080,
-31.6640

■ 185.9840, 4.9560,
-23.7480

■ 190.6560, 3.3040,
-15.8320

■ 195.3280, 1.6520,
-7.9160

■ 200.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



167.8520, 74.4680, -50.0440



157.9520, 14.8680, -71.2440



136.0550, -92.3720, -77.0760

Triad

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



157.9520, 14.8680, -71.2440



149.9920, -138.5050, -28.4330



151.9600, 69.6800, 58.8000

Complementary

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



157.9520, 14.8680, -71.2440



62.0480, -14.8680, 71.2440

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.



173.6520, 38.9130, 71.2410



157.9520, 14.8680, -71.2440



138.8390, -133.2800, -18.4960

Square

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



157.9520, 14.8680, -71.2440



155.2750, -140.9800, -33.1400



177.4520, -11.5150, 37.9970



154.5630, 88.5300, 25.5380

Rectangle

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



157.9520, 14.8680, -71.2440



144.4450, -110.4850, -62.6850



177.4520, -11.5150, 37.9970



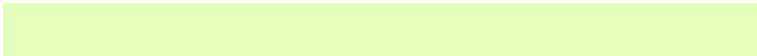
156.6850, 60.5090, 65.3170

Sweetspot

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



157.9520, 14.8680, -71.2440



238.7620, 5.4610, -27.3950



116.0840, 87.4800, 0.5040



118.2430, 3.0290, -16.3550



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.



157.9520, 14.8680, -71.2440



195.4320, 21.0630, -100.9290



131.0420, -38.7720, -90.3240



96.7780, 0.5050, -3.6470



124.9830, 13.5830, -64.4730



27.4110, 2.6160, -14.3760

Inverse Universe

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



62.0480, -14.8680, 71.2440



59.5680, -21.0630, 100.9290



88.9580, 38.7720, 90.3240



91.9230, -1.1010, 3.4350



38.0170, -13.5830, 64.4730



8.2900, -3.2120, 14.1640

Previews

White Background



This preview shows how the YIQ color 157.9520, 14.8680, -71.2440 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 157.9520, 14.8680, -71.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

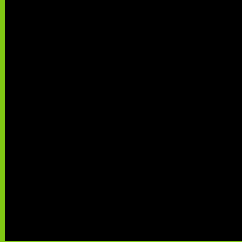
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 157.9520, 14.8680, -71.2440

Background



This preview shows how black text looks on a background with the YIQ color 157.9520, 14.8680, -71.2440.



This preview shows how white text looks on a background with the YIQ color 157.9520, 14.8680, -71.2440.

-71.2440.

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

157.9520, 14.8680, -71.2440

Protanopia

167.6110, 67.9570, -47.6830

Deuteranopia

172.2660, 74.1430, -27.6250



Tritanopia

176.6470, -26.8670, -3.1790

Trichromacy



Original Color

157.9520, 14.8680, -71.2440

Protanomaly

163.9890, 48.9770, -56.1350

Deuteranomaly

167.0470, 52.2300, -43.4980

Tritanomaly

169.6660, -11.8240, -28.0160

Monochromacy



Original Color

157.9520, 14.8680, -71.2440

Achromatopsia

158.0000, -0.0000, 0.0000

Achromatomaly

157.8160, 5.3690, -25.7270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 157.9520, 14.8680, -71.2440 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(128, 200, 20)` looks like.

```
.text, #text, p{  
    color:rgb(128, 200, 20)  
}
```

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(128, 200, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 200, 20) }
```

Border

The CSS property to change the border of an element to YIQ 157.9520, 14.8680, -71.2440 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(128, 200, 20) }
```


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

```
.border{ border-color:rgb(128, 200, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 200, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 200, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 200, 20);  
box-shadow:4px 4px 4px 4px rgb(128, 200,  
20) }
```

Background

The CSS property to change the background color of an element to YIQ 157.9520, 14.8680, -71.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 200, 20) }
```

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

```
.background{ background-color: rgb(128,  
200, 20) }
```

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