

# Converting Colors

YIQ(95.1980, 19.5200, 64.7680)

Have a look what the booklet for  
YIQ(95.1980, 19.5200, 64.7680)  
contains.

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# Color

**YIQ(95.1980, 19.5200,  
64.7680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A30B8
RGB	154, 48, 184
RGB Percent	60%, 19%, 72%
CMY	0.3957, 0.8119, 0.2785
CMYK	0.16, 0.74, 0.00, 0.28
HSL	287°, 59%, 45%
HSV	287°, 74%, 72%
XYZ	23.0489, 12.4491, 46.5316
YIQ	95.1980, 19.5200, 64.7680

# Conversions

## Conversions Part 2

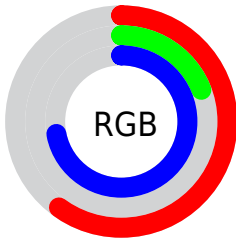
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 48, 184
Decimal	10105016
CIELab	41.92, 62.14, -50.78
CIELCh	42, 80.250, 320.743
Yxy	12.4491, 0.2810, 0.1518
Android (android.graphics.Color)	4288295096 (0xFF9A30B8)
YUV	95.1980, 43.7794, 51.5694
Hunter-Lab	35.2833, 54.8596, -53.4932

# Details

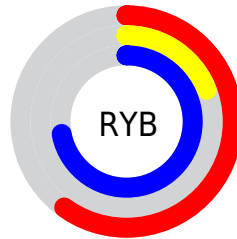
The YIQ color **95.1980, 19.5200, 64.7680** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **136.8020, -19.5200, -64.7680**, and the grayscale version is **95.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.4970, 20.1160, 64.9800**, and **44.1220, 16.6780, 61.2060** is the 20% darker color. If you saturate the color by 10%, you get **83.4360, 22.0860, 73.3340**, and if you desaturate by 10%, it is **106.9600, 16.9540, 56.2020**.

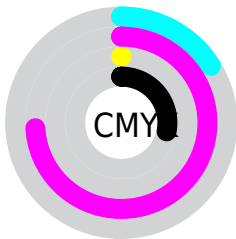
# Distribution



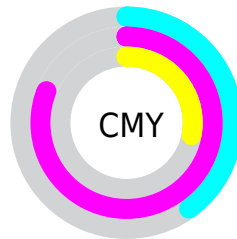
- Red (60%)
- Green (19%)
- Blue (72%)



- Red (60%)
- Yellow (19%)
- Blue (72%)



- Cyan (16%)
- Magenta (74%)
- Yellow (0%)
- Black (28%)



- Cyan (40%)
- Magenta (81%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 95.1980, 19.5200, 64.7680 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 95.1980, 19.5200, 64.7680 by changing the saturation by 10% instead.



95.1980, 19.5200,  
64.7680

95.1980, 19.5200,  
64.7680

255.0000, -0.0000,  
-0.0000

60.8550, 22.2240,  
70.8320

152.4970, 20.1160,  
64.9800

44.1220, 16.6780,  
61.2060

178.6130, 25.4810,  
61.3610

33.0850, 8.9320,  
47.3960

199.2350, 26.1250,  
49.6850

22.4610, 1.4610,  
34.1090

215.6710, 18.4250,  
35.0410

9.5590, -11.0990,  
19.4370

232.6940, 10.4500,  
19.8740

4.9360, -11.1430,  
9.2170

250.3040, 2.2000,

0.6840, -1.9260,

4.1840

1.8660

■ 0.0000, 0.0000,  
0.0000

■ 95.1980, 19.5200,  
64.7680

■ 95.1980, 19.5200,  
64.7680

■ 83.4360, 22.0860,  
73.3340

■ 106.9600, 16.9540,  
56.2020

■ 71.0870, 24.9270,  
82.4230

■ 119.3090, 14.1130,  
47.1130

■ 64.0320, 26.7600,  
87.7520

■ 131.0710, 11.5470,  
38.5470

■ 143.4200, 8.7060,  
29.4580

■ 155.1820, 6.1400,  
20.8920

■ 166.9440, 3.5740,  
12.3260

■ 179.2930, 0.7330,  
3.2370

■ 191.0550, -1.8330,  
-5.3290

■ 203.4040, -4.6740,  
-14.4180

# Harmonies

## Analogous

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



79.0670, -97.2500, 22.3820



95.1980, 19.5200, 64.7680



74.3060, 81.2300, 80.7660

# Triad

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



95.1980, 19.5200, 64.7680



93.5050, 57.7730, -17.2910



89.7910, -80.5990, -20.5910

# Complementary

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



95.1980, 19.5200, 64.7680



136.8020, -19.5200, -64.7680

# 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.



81.3380, -58.1750, -41.5270



95.1980, 19.5200, 64.7680



87.3050, 16.5130, -40.4710

# Square

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



95.1980, 19.5200, 64.7680



85.2410, 94.7680, 11.6000



69.8530, -32.7250, -62.2370



95.2290, -98.6670, -1.5070



# Rectangle

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



95.1980, 19.5200, 64.7680



71.4970, 99.2050, 68.8770



69.8530, -32.7250, -62.2370



87.2830, -73.5370, -27.4330

# Sweetspot

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



95.1980, 19.5200, 64.7680



205.3010, 7.4230, 25.1750



82.2880, -52.4560, 25.5600



99.7100, 4.3530, 14.7290



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



95.1980, 19.5200, 64.7680



100.3290, 30.8380, 101.9580



100.0640, 48.9560, 59.9320



86.1190, 1.2830, 4.2830



53.9630, 22.0400, 74.1680



9.7700, 4.1240, 13.3720



# Inverse Universe

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



92.0840, 71.4260, 38.1620



95.3440, 112.4570, 59.9850



131.9360, -48.9560, -59.9320



85.9190, 4.7220, 2.5300



50.5200, 82.0620, 43.6460



9.0560, 14.7620, 7.8020



# Previews

## White Background



This preview shows how the YIQ color 95.1980, 19.5200, 64.7680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

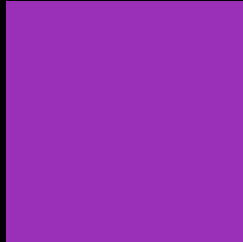
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 95.1980, 19.5200, 64.7680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

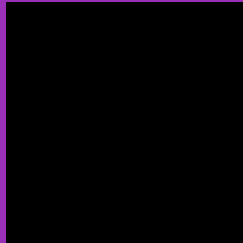
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 95.1980, 19.5200, 64.7680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 95.1980, 19.5200, 64.7680.



This preview shows how white text looks on a background with the YIQ color 95.1980, 19.5200,



# 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

95.1980, 19.5200, 64.7680

### Deuteranopia

89.7020, -63.0900, 9.0220

### Tritanopia

100.4390, 32.9170, 14.6850

# Trichromacy



**Original Color**

95.1980, 19.5200, 64.7680

**Deuteranomaly**

91.7480, -33.2000, 29.0080

**Tritanomaly**

98.8800, 27.9620, 32.9060

# Monochromacy



**Original Color**

95.1980, 19.5200, 64.7680

**Achromatopsia**

95.0000, -0.0000, -0.0000

**Achromatomaly**

94.9480, 6.9190, 23.2950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 95.1980, 19.5200, 64.7680 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(154, 48, 184)` looks like.

```
.text, #text, p{  
    color:rgb(154, 48, 184)  
}
```

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(154, 48, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 48, 184) }
```

## Border

The CSS property to change the border of an element to YIQ 95.1980, 19.5200, 64.7680 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(154, 48, 184) }
```

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

```
.border{ border-color:rgb(154, 48, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 48, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 48, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 48, 184);  
box-shadow:4px 4px 4px 4px rgb(154, 48,  
184) }
```



# Background

The CSS property to change the background color of an element to YIQ 95.1980, 19.5200, 64.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 48, 184) }
```

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

```
.background{ background-color: rgb(154, 48,  
184) }
```

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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