

# Converting Colors

YIQ(90.2130, 16.3050, 95.5130)

Have a look what the booklet for  
YIQ(90.2130, 16.3050, 95.5130)  
contains.

<b>YIQ(90.2130, 16.3050, 95.5130)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	30

# Color

**YIQ(90.2130, 16.3050,  
95.5130)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A518EB
RGB	165, 24, 235
RGB Percent	65%, 9%, 92%
CMY	0.3525, 0.9061, 0.0785
CMYK	0.30, 0.90, 0.00, 0.08
HSL	280°, 84%, 51%
HSV	280°, 90%, 92%
XYZ	30.8590, 14.6597, 79.7813
YIQ	90.2130, 16.3050, 95.5130

# Conversions

## Conversions Part 2

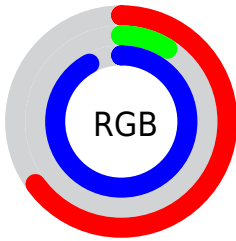
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	165, 24, 235
Decimal	10819819
CIE Lab	45.16, 80.01, -74.85
CIE LCh	45, 109.564, 316.909
Yxy	14.6597, 0.2463, 0.1170
Android (android.graphics.Color)	4289009899 (0xFFA518EB)
YUV	90.2130, 71.3800, 65.5882
Hunter-Lab	38.2879, 76.8621, -96.7422

# Details

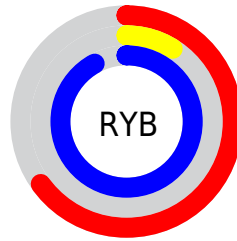
The YIQ color **90.2130, 16.3050, 95.5130** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **168.7870, -16.3050, -95.5130**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.4090, 26.7160, 77.5320**, and **51.6870, 5.4420, 77.6180** is the 20% darker color. If you saturate the color by 10%, you get **73.7330, 18.1370, 106.3690**, and if you desaturate by 10%, it is **106.1060, 14.7480, 85.1800**.

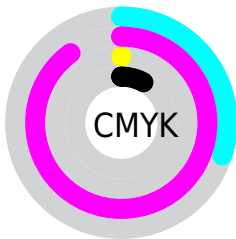
# Distribution



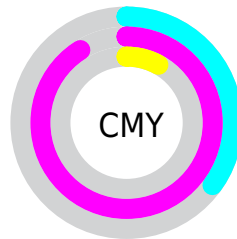
- Red (65%)
- Green (9%)
- Blue (92%)



- Red (65%)
- Yellow (9%)
- Blue (92%)



- Cyan (30%)
- Magenta (90%)
- Yellow (0%)
- Black (8%)



- Cyan (35%)
- Magenta (91%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.2130, 16.3050, 95.5130 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 90.2130, 16.3050, 95.5130 by changing the saturation by 10% instead.



90.2130, 16.3050,  
95.5130

90.2130, 16.3050,  
95.5130

255.0000, -0.0000,  
-0.0000

63.8490, 14.3340,  
92.6860

152.4090, 26.7160,  
77.5320

51.6870, 5.4420,  
77.6180

178.1030, 36.0250,  
68.5130

39.2260, -4.0460,  
62.3380

195.1260, 28.0500,  
53.3460

25.9820, -15.6430,  
46.7330

212.1490, 20.0750,  
38.1790

11.0580, -31.1370,  
30.1670

229.7590, 11.8250,  
22.4890

8.2080, -23.1120,  
22.3920

247.3690, 3.5750,

7.9340, -16.8290,

6.7990

13.1470

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,  
0.0000

■ 90.2130, 16.3050,  
95.5130

■ 90.2130, 16.3050,  
95.5130

■ 73.7330, 18.1370,  
106.3690

■ 106.1060, 14.7480,  
85.1800

■ 122.5860, 12.9160,  
74.3240

■ 138.1800, 10.7630,  
63.7790

■ 154.6600, 8.9310,  
52.9230

■ 170.5530, 7.3740,  
42.5900

■ 187.0330, 5.5420,  
31.7340

■ 202.9260, 3.9850,  
21.4010

■ 219.1070, 1.5570,  
10.3330

■ 235.0000, 0.0000,  
-0.0000

# Harmonies

## Analogous

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



90.1180, -110.4550, 24.9130



90.2130, 16.3050, 95.5130



89.2730, 95.1650, 98.0530

# Triad

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



90.2130, 16.3050, 95.5130



100.3930, 72.9480, -11.4680



99.7190, -89.2640, -23.2480

# Complementary

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



90.2130, 16.3050, 95.5130



168.7870, -16.3050, -95.5130

# 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.



87.3730, -57.2560, -52.6800



90.2130, 16.3050, 95.5130



94.0720, 15.5510, -45.0650

# Square

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



90.2130, 16.3050, 95.5130



66.3780, 132.3120, 47.0640



77.4840, -36.3000, -69.0360



109.7680, -116.1820, 2.0420



# Rectangle

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



90.2130, 16.3050, 95.5130



86.3200, 122.1730, 82.1490



77.4840, -36.3000, -69.0360



96.0710, -78.9920, -33.2000

# Sweetspot

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



90.2130, 16.3050, 95.5130



207.6200, 5.2670, 31.2110



89.1440, -86.9810, 29.0110



99.7470, 2.9310, 18.4750



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.



90.2130, 16.3050, 95.5130



80.1990, 20.0610, 115.5570



107.1530, 69.2600, 99.4680



109.3470, 0.6410, 4.9050



56.8130, 14.0150, 81.9430



16.9200, 4.1220, 24.4260



# Inverse Universe

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



95.0690, 103.2860, 66.5020



85.8210, 125.0160, 80.1840



151.8470, -69.2600, -99.4680



109.6310, 5.5930, 3.2650



60.9590, 88.6160, 57.0320

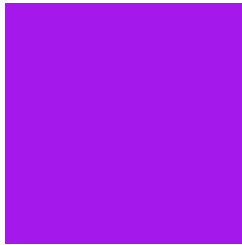


18.1980, 26.4060, 17.0460



# Previews

## White Background



This preview shows how the YIQ color 90.2130, 16.3050, 95.5130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

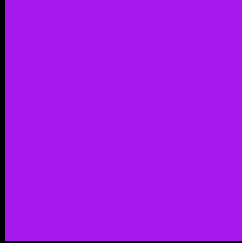
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 90.2130, 16.3050, 95.5130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

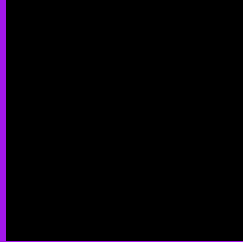
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 90.2130, 16.3050, 95.5130

## Background



This preview shows how black text looks on a background with the YIQ color 90.2130, 16.3050, 95.5130.



This preview shows how white text looks on a background with the YIQ color 90.2130, 16.3050,



# 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

90.2130, 16.3050, 95.5130

### Deuteranopia

86.2300, -91.2400, 1.5600

### Tritanopia

109.1500, 26.3610, 12.3530

# Trichromacy



**Original Color**  
90.2130, 16.3050, 95.5130

**Deuteranomaly**  
87.7970, -52.0910, 35.4690

**Tritanomaly**  
102.4530, 22.2750, 42.3630

# Monochromacy



**Original Color**  
90.2130, 16.3050, 95.5130

**Achromatopsia**  
90.0000, -0.0000, -0.0000

**Achromatomaly**  
90.0270, 5.6790, 34.7590

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.2130, 16.3050, 95.5130 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(165, 24, 235)` looks like.

```
.text, #text, p{  
    color:rgb(165, 24, 235)  
}
```

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(165, 24, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 24, 235) }
```

## Border

The CSS property to change the border of an element to YIQ 90.2130, 16.3050, 95.5130 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(165, 24, 235) }
```

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

```
.border{ border-color:rgb(165, 24, 235) }
```

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

Here you see how a box with a 4 pixel rgb(165, 24, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 24, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 24, 235);  
box-shadow:4px 4px 4px 4px rgb(165, 24,  
235) }
```



# Background

The CSS property to change the background color of an element to YIQ 90.2130, 16.3050, 95.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 24, 235) }
```

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

```
.background{ background-color: rgb(165, 24,  
235) }
```

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**