

# Converting Colors

YIQ(66.6110, 20.9360, 94.1840)

Have a look what the booklet for  
YIQ(66.6110, 20.9360, 94.1840)  
contains.

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# Color

**YIQ(66.6110, 20.9360,  
94.1840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9100CC
RGB	145, 0, 204
RGB Percent	57%, 0%, 80%
CMY	0.4309, 1.0000, 0.2001
CMYK	0.29, 1.00, 0.00, 0.20
HSL	283°, 100%, 40%
HSV	283°, 100%, 80%
XYZ	22.5951, 10.3894, 57.9292
YIQ	66.6110, 20.9360, 94.1840

# Conversions

## Conversions Part 2

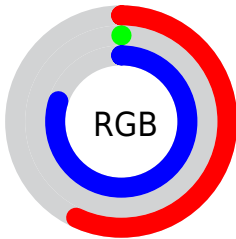
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 0, 204
Decimal	9502924
CIELab	38.53, 74.68, -68.04
CIElCh	39, 101.030, 317.666
Yxy	10.3894, 0.2485, 0.1143
Android (android.graphics.Color)	4287693004 (0xFF9100CC)
YUV	66.6110, 67.7328, 68.7472
Hunter-Lab	32.2326, 68.7216, -83.9946

# Details

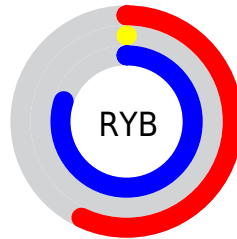
The YIQ color **66.6110, 20.9360, 94.1840** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **137.3890, -20.9360, -94.1840**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.6130, 17.4540, 80.1900**, and **42.5860, 3.7480, 64.2600** is the 20% darker color. If you saturate the color by 10%, you get **66.6110, 20.9360, 94.1840**, and if you desaturate by 10%, it is **80.1450, 19.0120, 84.9960**.

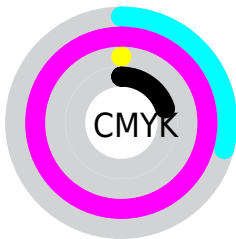
# Distribution



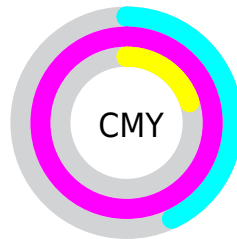
- Red (57%)
- Green (0%)
- Blue (80%)



- Red (57%)
- Yellow (0%)
- Blue (80%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (43%)
- Magenta (100%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 66.6110, 20.9360, 94.1840 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 66.6110, 20.9360, 94.1840 by changing the saturation by 10% instead.



66.6110, 20.9360,  
94.1840

66.6110, 20.9360,  
94.1840

255.0000, -0.0000,  
-0.0000

54.7480, 12.6400,  
79.3280

137.6130, 17.4540,  
80.1900

42.5860, 3.7480,  
64.2600

164.4920, 27.6800,  
71.0720

30.6520, -5.7860,  
49.8140

186.9080, 31.9000,  
60.6680

18.1200, -16.5120,  
34.9440

203.9310, 23.9250,  
45.5010

8.0940, -22.7910,  
22.0810

220.9540, 15.9500,  
30.3340

7.7060, -16.1870,  
12.5250

237.9770, 7.9750,

3.5510, -8.6210,

15.1670

7.5630

■ 0.0000, 0.0000,  
0.0000

■ 66.6110, 20.9360,  
94.1840

■ 80.1450, 19.0120,  
84.9960

■ 94.2660, 16.8130,  
75.2850

■ 107.8000, 14.8890,  
66.0970

■ 121.9210, 12.6900,  
56.3860

■ 135.4550, 10.7660,  
47.1980

■ 148.6900, 8.2460,  
37.7980

■ 162.8110, 6.0470,  
28.0870

■ 176.3450, 4.1230,  
18.8990

■ 190.4660, 1.9240,  
9.1880

# Harmonies

## Analogous

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



79.9110, -105.1380, 33.1820



66.6110, 20.9360, 94.1840



77.6810, 84.6680, 84.5400

# Triad

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



66.6110, 20.9360, 94.1840



85.5860, 62.2190, -9.7570



85.6990, -77.3440, -19.0080

# Complementary

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



66.6110, 20.9360, 94.1840



137.3890, -20.9360, -94.1840

# 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.



74.6070, -48.8670, -45.0190



66.6110, 20.9360, 94.1840



79.0100, 10.0940, -39.7780

# Square

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



66.6110, 20.9360, 94.1840



57.4080, 114.4320, 40.7040



66.3310, -31.0750, -59.0990



94.8360, -101.6940, 3.7940



# Rectangle

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



66.6110, 20.9360, 94.1840



74.9280, 108.2370, 70.3890



66.3310, -31.0750, -59.0990



82.5070, -68.3560, -27.7160

# Sweetspot

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



66.6110, 20.9360, 94.1840



203.8100, 7.7880, 35.0840



59.0630, -82.2590, 31.5410



96.8120, 4.3060, 21.0900



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.



66.6110, 20.9360, 94.1840



83.1890, 26.0210, 117.6770



79.5780, 69.2610, 93.9410



95.2330, 0.9620, 4.5940



54.2060, 17.0420, 76.6420



12.4050, 3.8940, 17.5420



# Inverse Universe

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



67.7220, 102.6450, 61.5970



84.6810, 128.2260, 77.0740



124.4220, -69.2610, -93.9410



95.3320, 4.9970, 3.0530



55.1060, 83.5280, 50.1200



12.6160, 19.1170, 11.4770



# Previews

## White Background



This preview shows how the YIQ color 66.6110, 20.9360, 94.1840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

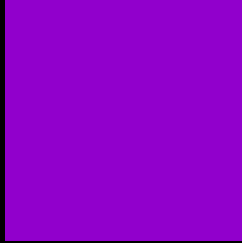
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 66.6110, 20.9360, 94.1840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

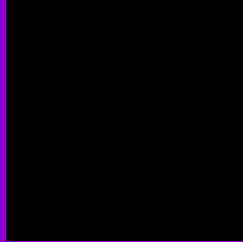
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 66.6110, 20.9360, 94.1840

## Background



This preview shows how black text looks on a background with the YIQ color 66.6110, 20.9360, 94.1840.



This preview shows how white text looks on a background with the YIQ color 66.6110, 20.9360,



# 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

66.6110, 20.9360, 94.1840

### Protanopia

74.3760, -85.4190, 11.7090

### Deuteranopia

74.4610, -78.7690, 1.3190



## Tritanopia

94.1390, 24.8940, 11.4060

# Trichromacy



## Original Color

66.6110, 20.9360, 94.1840



## Protanomaly

71.4220, -46.3610, 41.7590



## Deuteranomaly

71.4730, -42.3710, 35.5250



## Tritanomaly

84.1110, 23.2380, 41.4300

# Monochromacy



## Original Color

66.6110, 20.9360, 94.1840



## Achromatopsia

67.0000, -0.0000, -0.0000



## Achromatomaly

66.9840, 7.2380, 34.0380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 66.6110, 20.9360, 94.1840 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(145, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 204)  
}
```

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(145, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 204) }
```

## Border

The CSS property to change the border of an element to YIQ 66.6110, 20.9360, 94.1840 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(145, 0, 204) }
```



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

```
.border{ border-color:rgb(145, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(145, 0,  
204) }
```

# Background

The CSS property to change the background color of an element to YIQ 66.6110, 20.9360, 94.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 204) }
```

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

```
.background{ background-color: rgb(145, 0,  
204) }
```

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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