

# Converting Colors

YIQ(102.4060, 13.6030, 78.3950)

Have a look what the booklet for  
YIQ(102.4060, 13.6030, 78.3950)  
contains.

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# Color

**YIQ(102.4060, 13.6030,  
78.3950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A430DD
RGB	164, 48, 221
RGB Percent	64%, 19%, 87%
CMY	0.3565, 0.8119, 0.1334
CMYK	0.26, 0.78, 0.00, 0.13
HSL	280°, 72%, 53%
HSV	280°, 78%, 87%
XYZ	29.4334, 15.2323, 69.7812
YIQ	102.4060, 13.6030, 78.3950

# Conversions

## Conversions Part 2

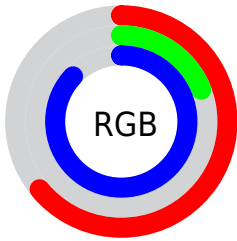
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 48, 221
Decimal	10760413
CIELab	45.95, 71.25, -65.62
CIELCh	46, 96.863, 317.353
Yxy	15.2323, 0.2572, 0.1331
Android (android.graphics.Color)	4288950493 (0xFFA430DD)
YUV	102.4060, 58.4668, 54.0179
Hunter-Lab	39.0285, 66.3163, -78.6878

# Details

The YIQ color **102.4060, 13.6030, 78.3950** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle muted purple. A complement of this color would be **166.5940, -13.6030, -78.3950**, and the grayscale version is **102.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **158.5560, 21.6280, 70.6200**, and **50.5040, 10.2110, 73.7870** is the 20% darker color. If you saturate the color by 10%, you get **87.3990, 15.4810, 88.4170**, and if you desaturate by 10%, it is **117.4130, 11.7250, 68.3730**.

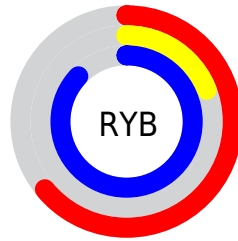
# Distribution



Red (64%)

Green (19%)

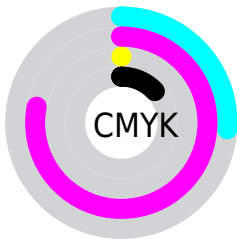
Blue (87%)



Red (64%)

Yellow (19%)

Blue (87%)

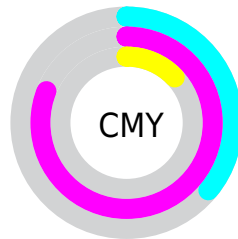


Cyan (26%)

Magenta (78%)

Yellow (0%)

Black (13%)



Cyan (36%)

Magenta (81%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 102.4060, 13.6030, 78.3950 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 102.4060, 13.6030, 78.3950 by changing the saturation by 10% instead.



102.4060, 13.6030,  
78.3950

102.4060, 13.6030,  
78.3950

255.0000, -0.0000,  
-0.0000

62.3670, 18.5070,  
88.6430

158.5560, 21.6280,  
70.6200

50.5040, 10.2110,  
73.7870

184.8480, 32.1290,  
62.0250

38.7550, 1.5940,  
59.2420

201.5830, 25.0250,  
47.5930

26.4080, -8.2150,  
44.2730

218.6060, 17.0500,  
32.4260

11.8970, -23.4340,  
28.2300

235.6290, 9.0750,  
17.2590

6.9540, -19.5810,  
18.9710

253.2390, 0.8250,

6.2070, -13.3440,

1.5690

10.5600

■ 2.4110, -5.4110,  
4.4530

■ 0.0000, 0.0000,  
0.0000

■ 102.4060, 13.6030,  
78.3950

■ 102.4060, 13.6030,  
78.3950

■ 87.3990, 15.4810,  
88.4170

■ 117.4130, 11.7250,  
68.3730

■ 72.3920, 17.3590,  
98.4390

■ 132.7190, 10.4430,  
58.5630

■ 69.4460, 17.2670,  
100.1070

■ 147.7260, 8.5650,  
48.5410

■ 162.7330, 6.6870,  
38.5190

■ 177.7400, 4.8090,  
28.4970

■ 193.6330, 3.2520,  
18.1640

■ 208.6400, 1.3740,  
8.1420

■ 223.6470, -0.5040,  
-1.8800

■ 238.6540, -2.3820,  
-11.9020

# 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



102.4060, 13.6030, 78.3950



85.5280, 89.8930, 94.4770

# Triad

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



102.4060, 13.6030, 78.3950



102.7300, 70.3810, -14.5070



99.9640, -88.5760, -24.7040

# Complementary

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



102.4060, 13.6030, 78.3950



166.5940, -13.6030, -78.3950

# 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.



88.3990, -60.1450, -49.8810



102.4060, 13.6030, 78.3950



96.7520, 19.4480, -44.1040

# Square

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



102.4060, 13.6030, 78.3950



82.7700, 118.7440, 28.6320



77.4840, -36.3000, -69.0360



107.6990, -111.7340, -1.4780



# Rectangle

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



102.4060, 13.6030, 78.3950



82.9600, 114.3790, 80.2270



77.4840, -36.3000, -69.0360



96.1850, -79.3130, -32.8890

# Sweetspot

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



102.4060, 13.6030, 78.3950



214.6860, 4.9010, 26.8290



101.7680, -71.4830, 23.4690



103.2800, 2.7480, 16.2840



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.



102.4060, 13.6030, 78.3950



90.4990, 18.9160, 108.7720



116.1430, 56.8840, 81.4600



102.3470, 0.6410, 4.9050



54.4060, 13.6030, 78.3950



14.5130, 3.7100, 20.8780



# Inverse Universe

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



106.2250, 84.8110, 54.4030



95.7660, 117.6810, 75.4490



152.8570, -56.8840, -81.4600



102.6310, 5.5930, 3.2650



58.2250, 84.8110, 54.4030

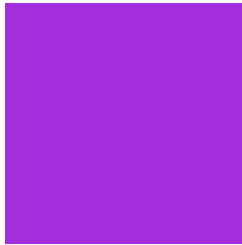


15.4640, 22.6010, 14.4170



# Previews

## White Background



This preview shows how the YIQ color 102.4060, 13.6030, 78.3950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

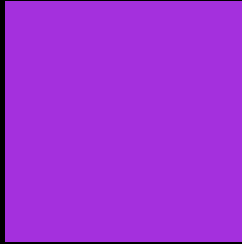
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 102.4060, 13.6030, 78.3950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

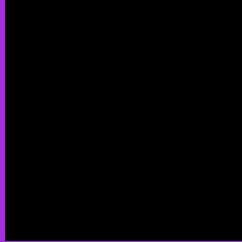
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 102.4060, 13.6030, 78.3950

## Background



This preview shows how black text looks on a background with the YIQ color 102.4060, 13.6030, 78.3950.



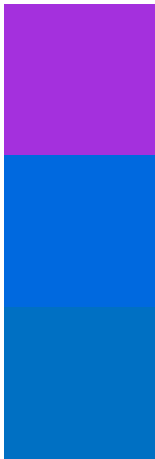
This preview shows how white text looks on a background with the YIQ color 102.4060, 13.6030,



# 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

102.4060, 13.6030, 78.3950

### Protanopia

87.0570, -100.4580, 14.4380

### Deuteranopia

87.9740, -93.3950, 2.0690



## Tritanopia

110.7480, 27.5530, 12.7770

# Trichromacy



## Original Color

102.4060, 13.6030, 78.3950



## Protanomaly

92.5560, -58.6020, 37.8300



## Deuteranomaly

93.4390, -54.1990, 29.6170



## Tritanomaly

107.7640, 22.5970, 36.5250

# Monochromacy



## Original Color

102.4060, 13.6030, 78.3950



## Achromatopsia

102.0000, -0.0000, -0.0000



## Achromatomaly

102.0390, 5.4050, 28.7090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 102.4060, 13.6030, 78.3950 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(164, 48, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 48, 221)  
}
```

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(164, 48, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 48, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 102.4060, 13.6030, 78.3950 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(164, 48, 221) }
```



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

```
.border{ border-color:rgb(164, 48, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 48, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 48, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 48, 221);  
box-shadow:4px 4px 4px 4px rgb(164, 48,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 102.4060, 13.6030, 78.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 48, 221) }
```

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

```
.background{ background-color: rgb(164, 48,  
221) }
```

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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