

Converting Colors

YIQ(76.3960, 20.7040, 109.4080)

Have a look what the booklet for
YIQ(76.3960, 20.7040, 109.4080)
contains.

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Color

**YIQ(76.3960, 20.7040,
109.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	A400F0
RGB	164, 0, 240
RGB Percent	64%, 0%, 94%
CMY	0.3563, 1.0000, 0.0589
CMYK	0.32, 1.00, 0.00, 0.06
HSL	281°, 100%, 47%
HSV	281°, 100%, 94%
XYZ	31.0625, 14.1969, 83.5206
YIQ	76.3960, 20.7040, 109.4080

Conversions

Conversions Part 2

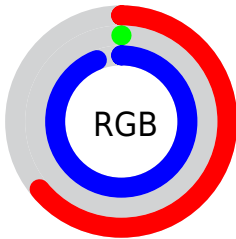
Format	Color
RYB	164, 0, 240
Decimal	10748144
CIELab	44.51, 83.57, -78.75
CIELCh	45, 114.824, 316.702
Yxy	14.1969, 0.2412, 0.1102
Android (android.graphics.Color)	4288938224 (0xFFA400F0)
YUV	76.3960, 80.6568, 76.8287
Hunter-Lab	37.6787, 81.2184, -105.0501

Details

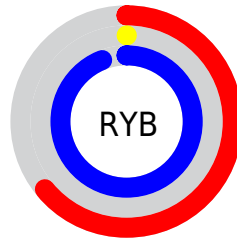
The YIQ color **76.3960, 20.7040, 109.4080** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **163.6040, -20.7040, -109.4080**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **148.0010, 28.0450, 80.9810**, and **51.6590, 2.6450, 78.7490** is the 20% darker color. If you saturate the color by 10%, you get **76.3960, 20.7040, 109.4080**, and if you desaturate by 10%, it is **92.8760, 18.8720, 98.5520**.

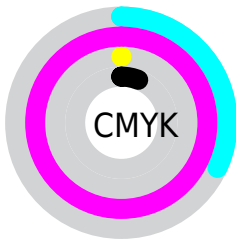
Distribution



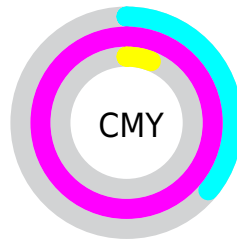
- Red (64%)
- Green (0%)
- Blue (94%)



- Red (64%)
- Yellow (0%)
- Blue (94%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (36%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 76.3960, 20.7040, 109.4080 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 76.3960, 20.7040, 109.4080 by changing the saturation by 10% instead.

 76.3960, 20.7040,
109.4080


 76.3960, 20.7040,
109.4080


255.0000, -0.0000,
-0.0000


 64.1200, 12.1330,
94.0290


 148.0010, 28.0450,
80.9810


 51.5450, 2.9660,
78.4380


 174.5810, 37.6750,
71.6510

 38.8990, -7.4390,
63.2570


 191.6040, 29.7000,
56.4840

 25.0570, -20.2280,
47.2280

 209.2140, 21.4500,
40.7940

 11.6280, -32.7420,
31.7220

 226.8240, 13.2000,
25.1040

 8.6640, -24.3960,
23.6360

 243.8470, 5.2250,

 8.8630, -18.0670,

9.9370

13.5570

■ 4.5940, -10.1800,
8.2840

■ 0.1140, -0.3210,
0.3110

■ 76.3960, 20.7040,
109.4080

■ 92.8760, 18.8720,
98.5520

■ 109.0570, 16.4440,
87.4840

■ 125.5370, 14.6120,
76.6280

■ 141.7180, 12.1840,
65.5600

■ 158.1980, 10.3520,
54.7040

■ 174.6780, 8.5200,
43.8480

■ 190.8590, 6.0920,
32.7800

■ 207.3390, 4.2600,
21.9240

■ 223.5200, 1.8320,
10.8560

Harmonies

Analogous

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



89.5310, -110.1800, 25.4360



76.3960, 20.7040, 109.4080



90.2840, 96.6320, 99.0000

Triad

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



76.3960, 20.7040, 109.4080



98.6320, 73.7730, -9.8990



99.1320, -88.9890, -22.7250

Complementary

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



76.3960, 20.7040, 109.4080



163.6040, -20.7040, -109.4080

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.



86.3300, -55.6970, -53.4010



76.3960, 20.7040, 109.4080



91.4030, 13.1210, -45.0790

Square

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



76.3960, 20.7040, 109.4080



66.9760, 133.5040, 47.4880



76.8970, -36.0250, -68.5130



109.7510, -117.5120, 4.1200

Rectangle

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



76.3960, 20.7040, 109.4080



86.5050, 123.0900, 82.0500



76.8970, -36.0250, -68.5130



95.3700, -78.3960, -32.9880

Sweetspot

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



76.3960, 20.7040, 109.4080



203.2120, 6.5960, 34.6600



71.9720, -97.9400, 34.8920



96.5130, 3.7100, 20.8780



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.



76.3960, 20.7040, 109.4080



81.0960, 21.8490, 116.1930



94.1040, 80.1240, 111.8360



111.7600, 0.9160, 5.4280



58.6500, 16.0320, 83.9360



17.7460, 4.6720, 25.4720

Inverse Universe

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



80.4240, 118.6440, 74.5160



85.4790, 125.9790, 79.2510



145.8960, -80.1240, -111.8360



112.0440, 5.8680, 3.7880



61.6280, 91.0460, 57.0460



18.7960, 27.5980, 17.4700

Previews

White Background



This preview shows how the YIQ color 76.3960, 20.7040, 109.4080 looks on a white background.

Color Contrast Check

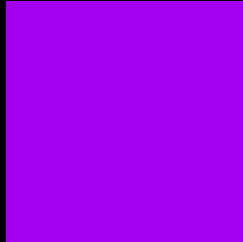
Large Text (above 18pt) WCAG AA ✓ Pass

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 76.3960, 20.7040, 109.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

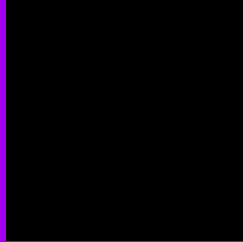
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.3960, 20.7040, 109.4080

Background



This preview shows how black text looks on a background with the YIQ color 76.3960, 20.7040, 109.4080.



This preview shows how white text looks on a background with the YIQ color 76.3960, 20.7040, 109.4080.

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

76.3960, 20.7040, 109.4080

Protanopia

85.1990, -97.9820, 13.6180

Deuteranopia

86.0020, -90.5980, 0.9380



Tritanopia

108.5520, 25.1690, 11.9290

Trichromacy



Original Color

76.3960, 20.7040, 109.4080

Protanomaly

82.3320, -54.6150, 48.1770

Deuteranomaly

82.6280, -49.9370, 40.4870

Tritanomaly

97.0990, 23.5120, 47.4800

Monochromacy



Original Color

76.3960, 20.7040, 109.4080

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

75.9720, 7.5120, 40.0880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.3960, 20.7040, 109.4080 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, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 240)  
}
```

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, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 240) }
```

Border

The CSS property to change the border of an element to YIQ 76.3960, 20.7040, 109.4080 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, 0, 240) }
```


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

```
.border{ border-color:rgb(164, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
240) }
```

Background

The CSS property to change the background color of an element to YIQ 76.3960, 20.7040, 109.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 240) }
```

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

```
.background{ background-color: rgb(164, 0,  
240) }
```

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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