

Converting Colors

YIQ(76.9130, -18.0810, 90.9350)

Have a look what the booklet for
YIQ(76.9130, -18.0810, 90.9350)
contains.

YIQ(76.9130, -18.0810, 90.9350)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(76.9130, -18.0810,
90.9350)**

Conversions

Conversions Part 1

Format	Color
Hex	7417FC
RGB	116, 23, 252
RGB Percent	45%, 9%, 99%
CMY	0.5447, 0.9100, 0.0120
CMYK	0.54, 0.91, 0.00, 0.01
HSL	264°, 97%, 54%
HSV	264°, 91%, 99%
XYZ	25.0810, 11.3549, 92.9125
YIQ	76.9130, -18.0810, 90.9350

Conversions

Conversions Part 2

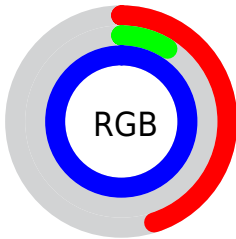
Format	Color
RYB	116, 23, 252
Decimal	7608316
CIELab	40.17, 78.58, -92.85
CIELCh	40, 121.643, 310.243
Yxy	11.3549, 0.1939, 0.0878
Android (android.graphics.Color)	4285798396 (0xFF7417FC)
YUV	76.9130, 86.3179, 34.2793
Hunter-Lab	33.6970, 73.8898, -139.8920

Details

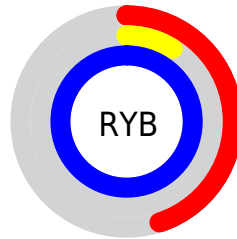
The YIQ color **76.9130, -18.0810, 90.9350** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **198.0870, 18.0810, -90.9350**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **134.8450, 1.8210, 71.6530**, and **32.5810, -41.4140, 67.7540** is the 20% darker color. If you saturate the color by 10%, you get **59.2260, -20.1000, 99.9960**, and if you desaturate by 10%, it is **96.0730, -16.0160, 81.0400**.

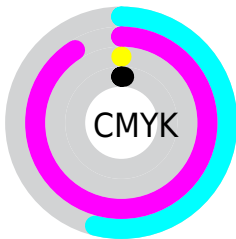
Distribution



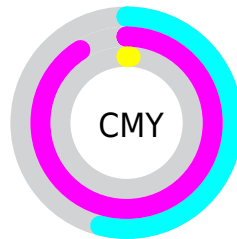
- Red (45%)
- Green (9%)
- Blue (99%)



- Red (45%)
- Yellow (9%)
- Blue (99%)



- Cyan (54%)
- Magenta (91%)
- Yellow (0%)
- Black (1%)





- Cyan (54%)
- Magenta (91%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 76.9130, -18.0810, 90.9350 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 76.9130, -18.0810, 90.9350 by changing the saturation by 10% instead.


 76.9130, -18.0810,
90.9350


 76.9130, -18.0810,
90.9350


255.0000, -0.0000,
-0.0000


 49.5270, -22.9860,
86.2140


 134.8450, 1.8210,
71.6530


 32.8800, -40.8180,
67.9660


 161.1370, 12.3220,
63.0580


 18.8100, -52.9650,
51.3150


 187.1410, 23.6940,
55.1980

 15.7320, -44.2980,
42.9180

 207.4530, 22.2750,
42.3630

 12.6540, -35.6310,
34.5210

 224.4760, 14.3000,
27.1960

 16.8480, -30.9060,
20.4700

 241.4990, 6.3250,

 10.4760, -21.2310,

12.0290

15.8330

■ 6.2070, -13.3440,
10.5600

■ 2.4110, -5.4110,
4.4530

■ 76.9130, -18.0810,
90.9350

■ 76.9130, -18.0810,
90.9350

■ 59.2260, -20.1000,
99.9960

■ 96.0730, -16.0160,
81.0400

■ 115.2330,
-13.9510, 71.1450

■ 134.9800,
-12.1610, 60.7270

■ 154.1400,
-10.0960, 50.8320

■ 173.3000, -8.0310,
40.9370

■ 192.4600, -5.9660,
31.0420

■ 211.6200, -3.9010,
21.1470

■ 231.3670, -2.1110,
10.7290

■ 250.5270, -0.0460,
0.8340

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



76.9130, -18.0810, 90.9350



86.6830, 82.3270, 99.4390

Triad

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



76.9130, -18.0810, 90.9350



85.1530, 83.0320, 4.0240



88.5540, -75.7380, -26.0900

Complementary

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



76.9130, -18.0810, 90.9350



198.0870, 18.0810, -90.9350

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.



73.2270, -36.7140, -61.5300



76.9130, -18.0810, 90.9350



84.9900, 22.0140, -35.5380

Square

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



76.9130, -18.0810, 90.9350



67.2750, 134.1000, 47.7000



69.2660, -32.4500, -61.7140



101.3730, -107.7000, 2.5080

Rectangle

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



76.9130, -18.0810, 90.9350



85.7370, 116.6250, 83.5770



69.2660, -32.4500, -61.7140



83.9770, -64.2280, -36.4520

Sweetspot

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



76.9130, -18.0810, 90.9350



202.2380, -5.4610, 27.3950



129.5250, -111.1840, -0.4320



96.4580, -3.6250, 16.1430



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.



76.9130, -18.0810, 90.9350



60.1660, -19.8710, 101.3530



110.7000, 49.2670, 114.8910



115.2760, -0.5970, 5.3150



44.5690, -14.7770, 75.1030



14.4290, -4.6810, 24.2710

Inverse Universe

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



106.9750, 92.8280, 90.8440



93.4590, 103.5090, 101.0210



164.3000, -49.2670, -114.8910



116.7990, 5.1800, 5.2440



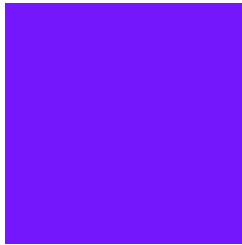
69.2790, 76.6920, 74.9000



22.3430, 24.8000, 24.1280

Previews

White Background



This preview shows how the YIQ color 76.9130, -18.0810, 90.9350 looks on a white background.

Color Contrast Check

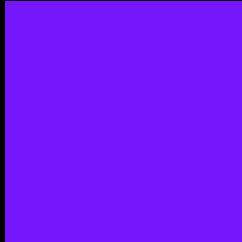
Large Text (above 18pt) WCAG AA ✓ Pass

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 76.9130, -18.0810, 90.9350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

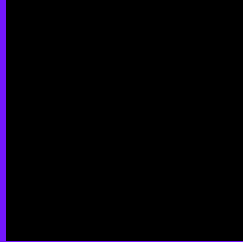
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.9130, -18.0810, 90.9350

Background



This preview shows how black text looks on a background with the YIQ color 76.9130, -18.0810, 90.9350.



This preview shows how white text looks on a background with the YIQ color 76.9130, -18.0810,

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

76.9130, -18.0810, 90.9350

Protanopia

75.3050, -86.6570, 12.1190

Deuteranopia

76.2220, -79.5940, -0.2500



Tritanopia

91.6430, -21.0440, -4.0840

Trichromacy



Original Color

76.9130, -18.0810, 90.9350



Protanomaly

75.6960, -61.8120, 40.9400



Deuteranomaly

76.5790, -57.4090, 32.7270



Tritanomaly

86.2180, -19.9040, 30.3360

Monochromacy



Original Color

76.9130, -18.0810, 90.9350



Achromatopsia

77.0000, -0.0000, -0.0000



Achromatomaly

76.7420, -6.7000, 33.3320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.9130, -18.0810, 90.9350 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(116, 23, 252)` looks like.

```
.text, #text, p{  
    color:rgb(116, 23, 252)  
}
```

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(116, 23, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 23, 252) }
```

Border

The CSS property to change the border of an element to YIQ 76.9130, -18.0810, 90.9350 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(116, 23, 252) }
```


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

```
.border{ border-color:rgb(116, 23, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 23, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 23, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 23, 252);  
box-shadow:4px 4px 4px 4px rgb(116, 23,  
252) }
```

Background

The CSS property to change the background color of an element to YIQ 76.9130, -18.0810, 90.9350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 23, 252) }
```

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

```
.background{ background-color: rgb(116, 23,  
252) }
```

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