

Converting Colors

YIQ(121.8820, 45.0980, 96.8260)

Have a look what the booklet for
YIQ(121.8820, 45.0980, 96.8260)
contains.

YIQ(121.8820, 45.0980, 96.8260)	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(121.8820, 45.0980,
96.8260)**

Conversions

Conversions Part 1

Format	Color
Hex	E12FED
RGB	225, 47, 237
RGB Percent	88%, 18%, 93%
CMY	0.1171, 0.8159, 0.0706
CMYK	0.05, 0.80, 0.00, 0.07
HSL	296°, 84%, 56%
HSV	296°, 80%, 93%
XYZ	47.3952, 24.1718, 82.2946
YIQ	121.8820, 45.0980, 96.8260

Conversions

Conversions Part 2

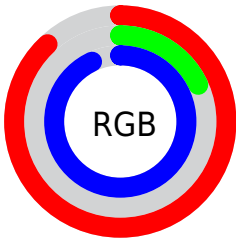
Format	Color
R _Y B	225, 47, 237
Decimal	14757869
CIE Lab	56.26, 85.03, -57.59
CIE LCh	56, 102.700, 325.888
Yxy	24.1718, 0.3080, 0.1571
Android (android.graphics.Color)	4292947949 (0xFFE12FED)
YUV	121.8820, 56.7532, 90.4345
Hunter-Lab	49.1648, 86.0370, -64.8274

Details

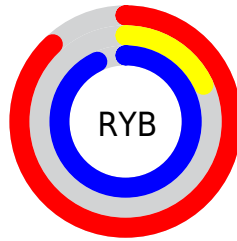
The YIQ color **121.8820, 45.0980, 96.8260** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **162.1180, -45.0980, -96.8260**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.8200, 38.5000, 73.2200**, and **69.8550, 40.5600, 90.9600** is the 20% darker color. If you saturate the color by 10%, you get **107.4950, 51.1020, 109.1660**, and if you desaturate by 10%, it is **136.5680, 39.6900, 84.6980**.

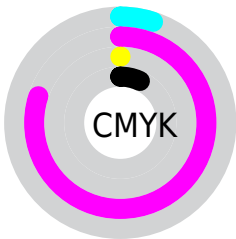
Distribution



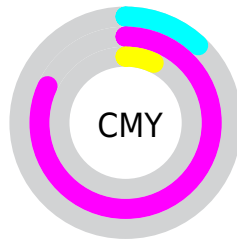
- Red (88%)
- Green (18%)
- Blue (93%)



- Red (88%)
- Yellow (18%)
- Blue (93%)



- Cyan (5%)
- Magenta (80%)
- Yellow (0%)
- Black (7%)



- Cyan (12%)
- Magenta (82%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 121.8820, 45.0980, 96.8260 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 121.8820, 45.0980, 96.8260 by changing the saturation by 10% instead.


 121.8820, 45.0980,
96.8260


 121.8820, 45.0980,
96.8260


255.0000, -0.0000,
-0.0000


 82.0170, 49.4520,
106.0280


 172.8200, 38.5000,
73.2200


 69.8550, 40.5600,
90.9600


 191.0170, 29.9750,
57.0070


 58.1060, 31.9430,
76.4150


 208.6270, 21.7250,
41.3170

 46.3570, 23.3260,
61.8700

 226.2370, 13.4750,
25.6270

 34.7220, 14.3880,
47.6360

 243.8470, 5.2250,
9.9370

 23.6140, 5.4040,
34.2360

 10.4130, -7.7520,

19.3520

■ 4.4800, -9.8590,
7.9730

■ 0.0000, 0.0000,
0.0000

■ 121.8820, 45.0980,
96.8260

■ 121.8820, 45.0980,
96.8260

■ 107.4950, 51.1020,
109.1660

■ 136.5680, 39.6900,
84.6980

■ 93.3960, 56.2350,
120.7710

■ 150.3680, 33.9610,
72.8810

■ 165.0540, 28.5530,
60.7530

■ 179.4410, 22.5490,
48.4130

■ 193.5400, 17.4160,
36.8080

■ 207.9270, 11.4120,
24.4680

■ 222.3140, 5.4080,
12.1280

■ 237.0000, -0.0000,
-0.0000

■ 247.8650, -4.3540,
-9.2020

Harmonies

Analogous

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



116.5860, -76.4820, 31.4700



121.8820, 45.0980, 96.8260



93.4590, 103.5090, 101.0210

Triad

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



121.8820, 45.0980, 96.8260



127.4610, 69.1000, -29.8440



123.8440, -114.4810, -23.2890

Complementary

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



121.8820, 45.0980, 96.8260



162.1180, -45.0980, -96.8260

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.



112.8830, -84.9950, -51.0670



121.8820, 45.0980, 96.8260



114.9380, 9.4560, -61.2640

Square

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



121.8820, 45.0980, 96.8260



119.5950, 119.8940, 7.7820



96.2680, -45.1000, -85.7720



127.0990, -127.7800, -8.0360

Rectangle

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



121.8820, 45.0980, 96.8260



86.8470, 122.1270, 82.9830



96.2680, -45.1000, -85.7720



120.5380, -105.1720, -32.3080

Sweetspot

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



121.8820, 45.0980, 96.8260



217.9970, 14.3910, 31.0550



76.2910, -64.5650, 52.2910



105.3840, 8.3870, 18.7150



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.



121.8820, 45.0980, 96.8260



106.7000, 58.4350, 124.9550



116.1220, 78.5720, 73.8680



110.5430, 3.0250, 5.7530



71.4640, 43.2190, 92.3310



21.1060, 12.4660, 27.3940

Inverse Universe

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



105.1780, 109.3880, 44.0120



84.9650, 141.2050, 56.6050



167.8780, -78.5720, -73.8680



109.2890, 6.5560, 2.3320



55.3730, 104.3450, 41.7930



16.4880, 31.2210, 12.3810

Previews

White Background



This preview shows how the YIQ color 121.8820, 45.0980, 96.8260 looks on a white background.

Color Contrast Check

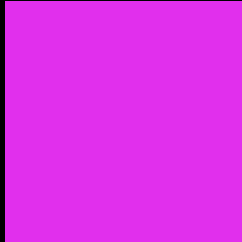
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 121.8820, 45.0980, 96.8260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

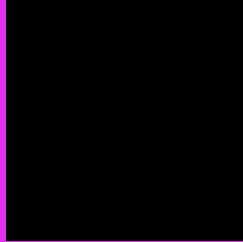
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 121.8820, 45.0980, 96.8260

Background



This preview shows how black text looks on a background with the YIQ color 121.8820, 45.0980, 96.8260.



This preview shows how white text looks on a background with the YIQ color 121.8820, 45.0980,

96.8260.

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

121.8820, 45.0980, 96.8260

Protanopia

125.4020, -79.1400, 24.5720

Deuteranopia

128.3910, -63.4120, 14.8600



Tritanopia

134.3890, 62.7170, 25.2850

Trichromacy



Original Color

121.8820, 45.0980, 96.8260



Protanomaly

123.7490, -33.8000, 50.9040



Deuteranomaly

126.3230, -24.0330, 44.5990



Tritanomaly

129.8010, 56.7060, 51.6340

Monochromacy



Original Color

121.8820, 45.0980, 96.8260



Achromatopsia

122.0000, 0.0000, -0.0000



Achromatomaly

122.3010, 16.5910, 35.2390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 121.8820, 45.0980, 96.8260 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(225, 47, 237)` looks like.

```
.text, #text, p{  
    color:rgb(225, 47, 237)  
}
```

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(225, 47, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 47, 237) }
```

Border

The CSS property to change the border of an element to YIQ 121.8820, 45.0980, 96.8260 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(225, 47, 237) }
```


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

```
.border{ border-color:rgb(225, 47, 237) }
```

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

Here you see how a box with a 4 pixel rgb(225, 47, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 47, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 47, 237);  
box-shadow:4px 4px 4px 4px rgb(225, 47,  
237) }
```

Background

The CSS property to change the background color of an element to YIQ 121.8820, 45.0980, 96.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 47, 237) }
```

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

```
.background{ background-color: rgb(225, 47,  
237) }
```

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