

Converting Colors

YIQ(88.5660, 25.9770, 107.4570)

Have a look what the booklet for
YIQ(88.5660, 25.9770, 107.4570)
contains.

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Color

**YIQ(88.5660, 25.9770,
107.4570)**

Conversions

Conversions Part 1

Format	Color
Hex	B40CF3
RGB	180, 12, 243
RGB Percent	71%, 5%, 95%
CMY	0.2936, 0.9532, 0.0471
CMYK	0.26, 0.95, 0.00, 0.05
HSL	284°, 91%, 50%
HSV	284°, 95%, 95%
XYZ	35.1600, 16.4511, 86.1009
YIQ	88.5660, 25.9770, 107.4570

Conversions

Conversions Part 2

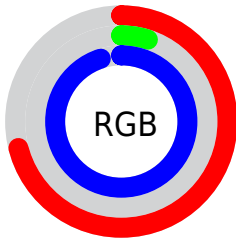
Format	Color
R_{YB}	180, 12, 243
Decimal	11799795
CIE _{Lab}	47.56, 84.96, -75.36
CIE _{LCh}	48, 113.565, 318.427
Yxy	16.4511, 0.2553, 0.1195
Android (android.graphics.Color)	4289989875 (0xFFB40CF3)
YUV	88.5660, 76.1360, 80.1876
Hunter-Lab	40.5599, 83.7557, -97.4693

Details

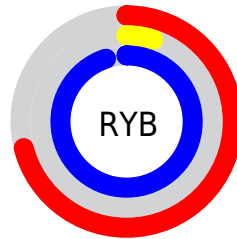
The YIQ color **88.5660, 25.9770, 107.4570** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **166.4340, -25.9770, -107.4570**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **156.3070, 35.9310, 81.2350**, and **56.9700, 12.1350, 82.9750** is the 20% darker color. If you saturate the color by 10%, you get **80.6250, 27.4890, 113.0970**, and if you desaturate by 10%, it is **104.7470, 23.5490, 96.3890**.

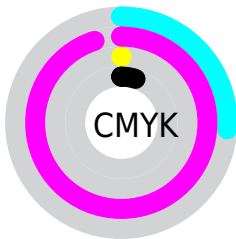
Distribution



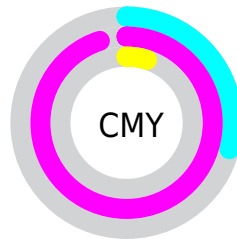
- Red (71%)
- Green (5%)
- Blue (95%)



- Red (71%)
- Yellow (5%)
- Blue (95%)



- Cyan (26%)
- Magenta (95%)
- Yellow (0%)
- Black (5%)





- Cyan (29%)
- Magenta (95%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 88.5660, 25.9770, 107.4570 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 88.5660, 25.9770, 107.4570 by changing the saturation by 10% instead.


 88.5660, 25.9770,
107.4570


 88.5660, 25.9770,
107.4570

255.0000, -0.0000,
-0.0000


 69.2460, 20.7060,
98.3540


 156.3070, 35.9310,
81.2350

 56.9700, 12.1350,
82.9750


 178.1030, 36.0250,
68.5130


 44.6230, 2.3260,
68.0060


 195.7130, 27.7750,
52.8230

 31.9770, -8.0790,
52.8250

 212.7360, 19.8000,
37.6560

 18.1350, -20.8680,
36.7960

 230.3460, 11.5500,
21.9660

 9.0060, -25.3590,
24.5690

 247.9560, 3.3000,

 9.2050, -19.0300,

6.2760

14.4900

■ 4.9360, -11.1430,
9.2170

■ 0.5700, -1.6050,
1.5550

■ 88.5660, 25.9770,
107.4570

■ 88.5660, 25.9770,
107.4570

■ 80.6250, 27.4890,
113.0970

■ 104.7470, 23.5490,
96.3890

■ 121.2160, 20.2500,
84.5860

■ 137.3970, 17.8220,
73.5180

■ 153.5780, 15.3940,
62.4500

■ 169.4600, 12.3700,
51.1700

■ 186.2280, 9.6670,
39.5790

■ 202.1100, 6.6430,
28.2990

■ 218.2910, 4.2150,
17.2310

■ 235.0590, 1.5120,
5.6400

Harmonies

Analogous

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



91.8790, -111.2800, 23.3440



88.5660, 25.9770, 107.4570



93.8010, 102.5460, 101.9540

Triad

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



88.5660, 25.9770, 107.4570



106.5840, 73.7280, -14.5920



105.8970, -95.6370, -23.3890

Complementary

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



88.5660, 25.9770, 107.4570



166.4340, -25.9770, -107.4570

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.



92.6220, -62.3910, -53.2310



88.5660, 25.9770, 107.4570



97.8820, 13.0300, -48.9380

Square

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



88.5660, 25.9770, 107.4570



69.0690, 137.6760, 48.9720



81.5930, -38.2250, -72.6970



115.3590, -122.2800, 2.4240

Rectangle

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



88.5660, 25.9770, 107.4570



86.7330, 122.4480, 82.6720



81.5930, -38.2250, -72.6970



101.5480, -84.7690, -33.1290

Sweetspot

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



88.5660, 25.9770, 107.4570



205.5820, 8.4300, 34.4620



76.4890, -92.0260, 37.8460



97.6980, 4.6270, 20.7790



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.



88.5660, 25.9770, 107.4570



84.6840, 29.0010, 118.7370



101.7030, 79.5750, 105.2630



114.0590, 1.5120, 5.6400



61.8680, 21.3500, 86.6780



19.5830, 6.6890, 27.4650

Inverse Universe

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



88.2510, 117.4530, 68.5650



84.1110, 129.8310, 75.5190



153.2970, -79.5750, -105.2630



113.9300, 6.1890, 3.4770



61.4280, 94.4850, 55.2930



19.4650, 30.0280, 17.4840

Previews

White Background



This preview shows how the YIQ color 88.5660, 25.9770, 107.4570 looks on a white background.

Color Contrast Check

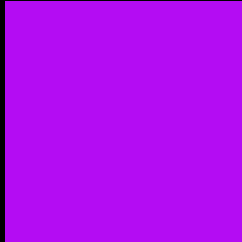
Large Text (above 18pt) WCAG AA ✓ Pass

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 88.5660, 25.9770, 107.4570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

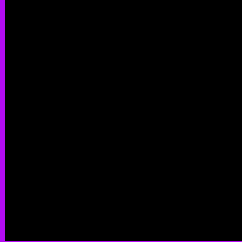
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 88.5660, 25.9770, 107.4570

Background



This preview shows how black text looks on a background with the YIQ color 88.5660, 25.9770, 107.4570.



This preview shows how white text looks on a background with the YIQ color 88.5660, 25.9770,

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

88.5660, 25.9770, 107.4570

Protanopia

90.9040, -104.4010, 14.3110

Deuteranopia

91.0060, -96.4210, 1.8430



Tritanopia

114.7490, 34.9800, 15.8440

Trichromacy



Original Color

88.5660, 25.9770, 107.4570



Protanomaly

89.9620, -56.4490, 48.3750



Deuteranomaly

90.1440, -51.4500, 40.3740



Tritanomaly

105.3450, 31.6270, 49.0910

Monochromacy



Original Color

88.5660, 25.9770, 107.4570



Achromatopsia

89.0000, -0.0000, -0.0000



Achromatomaly

88.8150, 9.3920, 39.0560

CSS Examples

Text

The CSS property to change the color of the text to YIQ 88.5660, 25.9770, 107.4570 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(180, 12, 243)` looks like.

```
.text, #text, p{  
    color:rgb(180, 12, 243)  
}
```

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(180, 12, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 12, 243) }
```

Border

The CSS property to change the border of an element to YIQ 88.5660, 25.9770, 107.4570 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(180, 12, 243) }
```


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

```
.border{ border-color:rgb(180, 12, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 12, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 12, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 12, 243);  
box-shadow:4px 4px 4px 4px rgb(180, 12,  
243) }
```

Background

The CSS property to change the background color of an element to YIQ 88.5660, 25.9770, 107.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 12, 243) }
```

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

```
.background{ background-color: rgb(180, 12,  
243) }
```

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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