

Converting Colors

YIQ(87.1470, 35.0070, 120.0230)

Have a look what the booklet for
YIQ(87.1470, 35.0070, 120.0230)
contains.

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Color

**YIQ(87.1470, 35.0070,
120.0230)**

Conversions

Conversions Part 1

Format	Color
Hex	C300FD
RGB	195, 0, 253
RGB Percent	76%, 0%, 99%
CMY	0.2347, 0.9999, 0.0079
CMYK	0.23, 1.00, 0.00, 0.01
HSL	286°, 100%, 50%
HSV	286°, 100%, 99%
XYZ	40.2740, 18.7141, 94.4059
YIQ	87.1470, 35.0070, 120.0230

Conversions

Conversions Part 2

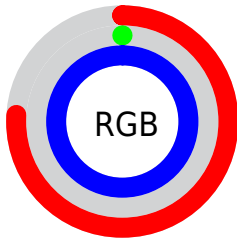
Format	Color
RYB	195, 0, 253
Decimal	12779773
CIELab	50.35, 89.55, -76.31
CIELCh	50, 117.657, 319.564
Yxy	18.7141, 0.2626, 0.1220
Android (android.graphics.Color)	4290969853 (0xFFC300FD)
YUV	87.1470, 81.7655, 94.5871
Hunter-Lab	43.2599, 90.4748, -99.1065

Details

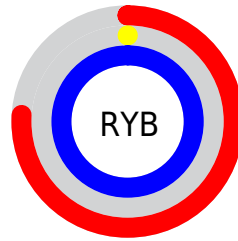
The YIQ color **87.1470, 35.0070, 120.0230** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **165.8530, -35.0070, -120.0230**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **160.4930, 44.2750, 84.2030**, and **62.2960, 17.2690, 89.0530** is the 20% darker color. If you saturate the color by 10%, you get **87.1470, 35.0070, 120.0230**, and if you desaturate by 10%, it is **103.6160, 31.7080, 108.2200**.

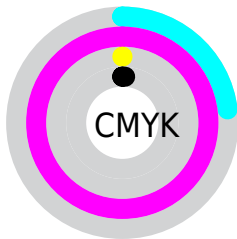
Distribution



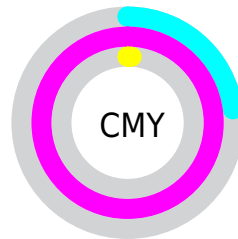
- Red (76%)
- Green (0%)
- Blue (99%)



- Red (76%)
- Yellow (0%)
- Blue (99%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (23%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.1470, 35.0070, 120.0230 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 87.1470, 35.0070, 120.0230 by changing the saturation by 10% instead.


 87.1470, 35.0070,
120.0230


 87.1470, 35.0070,
120.0230


255.0000, -0.0000,
-0.0000

 74.8710, 26.4360,
104.6440


 160.4930, 44.2750,
84.2030


 62.2960, 17.2690,
89.0530


 179.2770, 35.4750,
67.4670


 50.1340, 8.3770,
73.9850


 196.8870, 27.2250,
51.7770

 37.7870, -1.4320,
59.0160

 214.4970, 18.9750,
36.0870

 25.4400, -11.2410,
44.0470

 232.1070, 10.7250,
20.3970

 9.9180, -27.9270,
27.0570

 250.3040, 2.2000,

 8.9430, -21.0480,

4.1840

18.0240

■ 6.3210, -13.6650,
10.8710

■ 2.6390, -6.0530,
5.0750

■ 87.1470, 35.0070,
120.0230

■ 103.6160, 31.7080,
108.2200

■ 120.6720, 28.1340,
95.8940

■ 137.1410, 24.8350,
84.0910

■ 153.3110, 20.9400,
72.0760

■ 170.3670, 17.3660,
59.7500

■ 186.8360, 14.0670,
47.9470

■ 203.3050, 10.7680,
36.1440

■ 219.4750, 6.8730,
24.1290

■ 236.5310, 3.2990,
11.8030

Harmonies

Analogous

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



94.8140, -112.6550, 20.7290



87.1470, 35.0070, 120.0230



94.3710, 100.9410, 103.5090

Triad

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



87.1470, 35.0070, 120.0230



113.3730, 75.7000, -17.2920



112.6620, -102.2850, -24.0530

Complementary

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



87.1470, 35.0070, 120.0230



165.8530, -35.0070, -120.0230

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.



98.9310, -67.7550, -55.1390



87.1470, 35.0070, 120.0230



103.4640, 11.1510, -53.4330

Square

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



87.1470, 35.0070, 120.0230



73.5320, 143.6820, 50.2580



86.8760, -40.7000, -77.4040



120.6420, -124.7550, -2.2830

Rectangle

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



87.1470, 35.0070, 120.0230



86.9610, 121.8060, 83.2940



86.8760, -40.7000, -77.4040



108.1990, -91.0960, -34.1040

Sweetspot

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



87.1470, 35.0070, 120.0230



205.3050, 10.7680, 36.1440



63.4750, -97.4380, 47.8260



97.7090, 6.0940, 21.7260



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.



87.1470, 35.0070, 120.0230



87.9730, 35.5570, 121.0690



96.8510, 91.0820, 111.4820



119.4720, 1.7870, 6.1630



66.0260, 26.8970, 90.7770



21.9470, 8.6600, 30.2920

Inverse Universe

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



82.2590, 132.1700, 71.6740



82.8570, 133.3620, 72.0980



156.1490, -91.0820, -111.4820



119.2290, 6.7850, 3.6890



62.1250, 99.7120, 54.1760



20.8460, 33.3290, 18.2330

Previews

White Background



This preview shows how the YIQ color 87.1470, 35.0070, 120.0230 looks on a white background.

Color Contrast Check

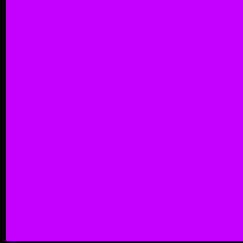
Large Text (above 18pt) WCAG AA ✓ Pass

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 87.1470, 35.0070, 120.0230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

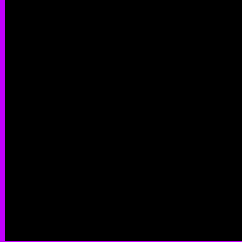
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 87.1470, 35.0070, 120.0230

Background



This preview shows how black text looks on a background with the YIQ color 87.1470, 35.0070, 120.0230.



This preview shows how white text looks on a background with the YIQ color 87.1470, 35.0070,

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

87.1470, 35.0070, 120.0230

Protanopia

96.7230, -111.1410, 15.3150

Deuteranopia

97.2980, -103.1150, 2.0130



Tritanopia

121.9240, 41.8570, 17.8650

Trichromacy



Original Color

87.1470, 35.0070, 120.0230



Protanomaly

93.0530, -57.9630, 53.7890



Deuteranomaly

93.7080, -52.9180, 44.9540



Tritanomaly

109.2260, 39.5120, 54.8720

Monochromacy



Original Color

87.1470, 35.0070, 120.0230



Achromatopsia

87.0000, -0.0000, -0.0000



Achromatomaly

86.7170, 12.7840, 43.6640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.1470, 35.0070, 120.0230 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(195, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 253)  
}
```

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(195, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 253) }
```

Border

The CSS property to change the border of an element to YIQ 87.1470, 35.0070, 120.0230 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(195, 0, 253) }
```


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

```
.border{ border-color:rgb(195, 0, 253) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
253) }
```

Background

The CSS property to change the background color of an element to YIQ 87.1470, 35.0070, 120.0230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 253) }
```

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

```
.background{ background-color: rgb(195, 0,  
253) }
```

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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