

Converting Colors

YIQ(86.9940, 12.7280, 99.7680)

Have a look what the booklet for
YIQ(86.9940, 12.7280, 99.7680)
contains.

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Color

**YIQ(86.9940, 12.7280,
99.7680)**

Conversions

Conversions Part 1

Format	Color
Hex	A113F3
RGB	161, 19, 243
RGB Percent	63%, 7%, 95%
CMY	0.3681, 0.9257, 0.0472
CMYK	0.34, 0.92, 0.00, 0.05
HSL	278°, 90%, 51%
HSV	278°, 92%, 95%
XYZ	31.1273, 14.5226, 85.9317
YIQ	86.9940, 12.7280, 99.7680

Conversions

Conversions Part 2

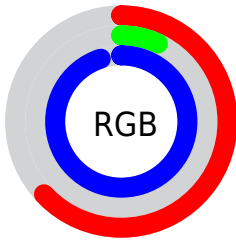
Format	Color
R_{YB}	161, 19, 243
Decimal	10556403
CIE _{Lab}	44.97, 81.83, -79.70
CIE _{LCh}	45, 114.227, 315.755
Yxy	14.5226, 0.2366, 0.1104
Android (android.graphics.Color)	4288746483 (0xFFFA113F3)
YUV	86.9940, 76.9110, 64.9033
Hunter-Lab	38.1086, 79.1097, -107.0181

Details

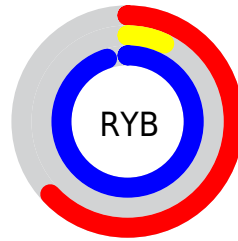
The YIQ color **86.9940, 12.7280, 99.7680** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **175.0060, -12.7280, -99.7680**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **150.0390, 24.8820, 77.7300**, and **50.9900, 0.2150, 78.7350** is the 20% darker color. If you saturate the color by 10%, you get **73.7480, 13.7810, 108.2210**, and if you desaturate by 10%, it is **103.7730, 11.4920, 89.1240**.

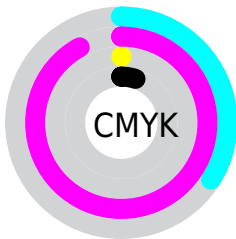
Distribution



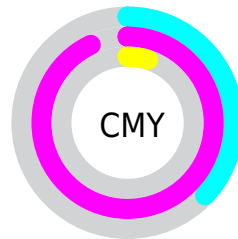
- Red (63%)
- Green (7%)
- Blue (95%)



- Red (63%)
- Yellow (7%)
- Blue (95%)



- Cyan (34%)
- Magenta (92%)
- Yellow (0%)
- Black (5%)



- Cyan (37%)
- Magenta (93%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 86.9940, 12.7280, 99.7680 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 86.9940, 12.7280, 99.7680 by changing the saturation by 10% instead.

86.9940, 12.7280,
99.7680

86.9940, 12.7280,
99.7680

255.0000, -0.0000,
-0.0000

63.5650, 9.3820,
94.3260

150.0390, 24.8820,
77.7300

50.9900, 0.2150,
78.7350

176.3310, 35.3830,
69.1350

38.0450, -10.7860,
63.3420

193.9520, 28.6000,
54.3920

23.1920, -25.0420,
46.3660

211.5620, 20.3500,
38.7020

11.8560, -33.3840,
32.3440

228.5850, 12.3750,
23.5350

9.0060, -25.3590,
24.5690

246.1950, 4.1250,

9.2050, -19.0300,

7.8450

14.4900

■ 4.9360, -11.1430,
9.2170

■ 0.5700, -1.6050,
1.5550

■ 86.9940, 12.7280,
99.7680

■ 86.9940, 12.7280,
99.7680

■ 73.7480, 13.7810,
108.2210

■ 103.7730, 11.4920,
89.1240

■ 121.1390, 9.9810,
77.9570

■ 137.9180, 8.7450,
67.3130

■ 154.6970, 7.5090,
56.6690

■ 171.4760, 6.2730,
46.0250

■ 188.5430, 4.1660,
34.6460

■ 205.3220, 2.9300,
24.0020

■ 222.1010, 1.6940,
13.3580

■ 239.4670, 0.1830,
2.1910

Harmonies

Analogous

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



90.7050, -110.7300, 24.3900



86.9940, 12.7280, 99.7680



90.7400, 95.3480, 100.2440

Triad

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



86.9940, 12.7280, 99.7680



99.5290, 75.5610, -9.2630



100.0780, -88.8970, -24.3930

Complementary

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



86.9940, 12.7280, 99.7680



175.0060, -12.7280, -99.7680

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.



86.6890, -55.3300, -54.5460



86.9940, 12.7280, 99.7680



93.7840, 16.4220, -44.3300

Square

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



86.9940, 12.7280, 99.7680



67.8730, 135.2920, 48.1240



76.8970, -36.0250, -68.5130



110.1100, -117.1450, 2.9750

Rectangle

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



86.9940, 12.7280, 99.7680



86.9610, 121.8060, 83.2940



76.8970, -36.0250, -68.5130



95.6150, -77.7080, -34.4440

Sweetspot

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



86.9940, 12.7280, 99.7680



205.5490, 4.0290, 31.6210



92.6700, -94.4540, 26.7780



97.3880, 2.5640, 19.6200



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.



86.9940, 12.7280, 99.7680



77.5080, 14.6970, 113.6490



108.0920, 71.2300, 107.8220



113.7600, 0.9160, 5.4280



56.4860, 10.6220, 82.8620



17.7890, 3.1130, 26.1930

Inverse Universe

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



95.3240, 107.1820, 72.9900



86.8470, 122.1270, 82.9830



153.9080, -71.2300, -107.8220



114.1580, 5.5470, 4.0990



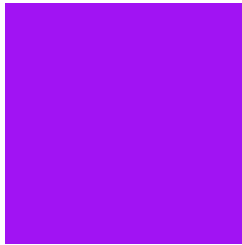
63.3660, 89.0280, 60.5800



20.0350, 28.4230, 19.0390

Previews

White Background



This preview shows how the YIQ color 86.9940, 12.7280, 99.7680 looks on a white background.

Color Contrast Check

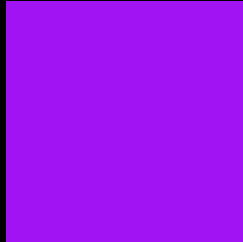
Large Text (above 18pt) WCAG AA ✓ Pass

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 86.9940, 12.7280, 99.7680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

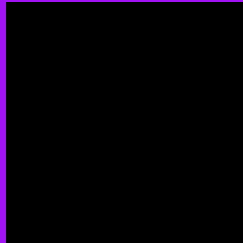
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 86.9940, 12.7280, 99.7680

Background



This preview shows how black text looks on a background with the YIQ color 86.9940, 12.7280, 99.7680.



This preview shows how white text looks on a background with the YIQ color 86.9940, 12.7280,

99.7680.

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

86.9940, 12.7280, 99.7680

Protanopia

85.3130, -98.3030, 13.9290

Deuteranopia

86.0020, -90.5980, 0.9380



Tritanopia

108.4590, 20.9970, 10.4450

Trichromacy



Original Color

86.9940, 12.7280, 99.7680



Protanomaly

85.7830, -57.5030, 45.4490



Deuteranomaly

86.5520, -52.7790, 36.9250



Tritanomaly

100.5280, 17.6900, 42.8580

Monochromacy



Original Color

86.9940, 12.7280, 99.7680



Achromatopsia

87.0000, -0.0000, -0.0000



Achromatomaly

86.8960, 4.6700, 36.5260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.9940, 12.7280, 99.7680 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(161, 19, 243)` looks like.

```
.text, #text, p{  
    color:rgb(161, 19, 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(161, 19, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 19, 243) }
```

Border

The CSS property to change the border of an element to YIQ 86.9940, 12.7280, 99.7680 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(161, 19, 243) }
```


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

```
.border{ border-color:rgb(161, 19, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 19, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 19, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 19, 243);  
box-shadow:4px 4px 4px 4px rgb(161, 19,  
243) }
```

Background

The CSS property to change the background color of an element to YIQ 86.9940, 12.7280, 99.7680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 19, 243) }
```

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

```
.background{ background-color: rgb(161, 19,  
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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