

Converting Colors

YIQ(78.7220, 24.6970, 86.5930)

Have a look what the booklet for
YIQ(78.7220, 24.6970, 86.5930)
contains.

YIQ(78.7220, 24.6970, 86.5930)	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(78.7220, 24.6970,
86.5930)**

Conversions

Conversions Part 1

Format	Color
Hex	9C10C7
RGB	156, 16, 199
RGB Percent	61%, 6%, 78%
CMY	0.3878, 0.9375, 0.2197
CMYK	0.22, 0.92, 0.00, 0.22
HSL	286°, 85%, 42%
HSV	286°, 92%, 78%
XYZ	24.2243, 11.5712, 54.9827
YIQ	78.7220, 24.6970, 86.5930

Conversions

Conversions Part 2

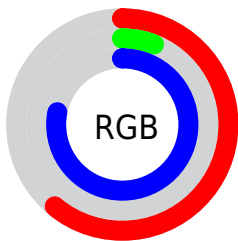
Format	Color
R_{YB}	156, 16, 199
Decimal	10227911
CIE _{Lab}	40.53, 73.36, -61.81
CIE _{LCh}	41, 95.927, 319.887
Yxy	11.5712, 0.2669, 0.1275
Android (android.graphics.Color)	4288417991 (0xFF9C10C7)
YUV	78.7220, 59.2971, 67.7728
Hunter-Lab	34.0164, 67.5876, -72.0225

Details

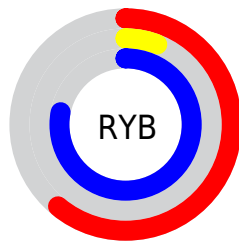
The YIQ color **78.7220, 24.6970, 86.5930** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **136.2780, -24.6970, -86.5930**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.0110, 22.0850, 78.8610**, and **45.7180, 12.1840, 65.5600** is the 20% darker color. If you saturate the color by 10%, you get **68.1340, 26.7130, 94.1130**, and if you desaturate by 10%, it is **91.9570, 22.1770, 77.1930**.

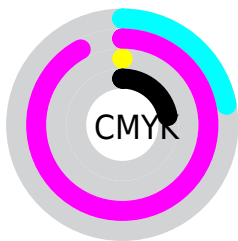
Distribution



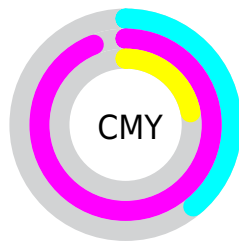
- Red (61%)
- Green (6%)
- Blue (78%)



- Red (61%)
- Yellow (6%)
- Blue (78%)



- Cyan (22%)
- Magenta (92%)
- Yellow (0%)
- Black (22%)





- Cyan (39%)
- Magenta (94%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 78.7220, 24.6970, 86.5930 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 78.7220, 24.6970, 86.5930 by changing the saturation by 10% instead.


 78.7220, 24.6970,
86.5930


 78.7220, 24.6970,
86.5930


255.0000, -0.0000,
-0.0000

 57.4670, 20.8010,
80.1050


 145.0110, 22.0850,
78.8610


 45.7180, 12.1840,
65.5600


 171.0040, 31.9900,
70.0540


 33.9690, 3.5670,
51.0150


 190.4300, 30.2500,
57.5300

 23.0460, -4.5000,
37.5160

 207.4530, 22.2750,
42.3630

 7.6380, -21.5070,
20.8370

 224.4760, 14.3000,
27.1960

 6.7770, -14.9490,
12.1150

 242.0860, 6.0500,

 3.0950, -7.3370,

11.5060

6.3190

■ 0.0000, 0.0000,
0.0000

■ 78.7220, 24.6970,
86.5930

■ 78.7220, 24.6970,
86.5930

■ 68.1340, 26.7130,
94.1130

■ 91.9570, 22.1770,
77.1930

■ 104.8930, 19.0610,
67.5810

■ 118.1280, 16.5410,
58.1810

■ 131.3630, 14.0210,
48.7810

■ 143.7120, 11.1800,
39.6920

■ 156.9470, 8.6600,
30.2920

■ 170.1820, 6.1400,
20.8920

■ 183.1180, 3.0240,
11.2800

■ 196.3530, 0.5040,
1.8800

Harmonies

Analogous

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



80.5150, -104.0830, 30.5810



78.7220, 24.6970, 86.5930



78.3500, 87.0980, 84.5540

Triad

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



78.7220, 24.6970, 86.5930



90.2820, 60.0190, -13.9410



89.6600, -81.6080, -18.8240

Complementary

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



78.7220, 24.6970, 86.5930



136.2780, -24.6970, -86.5930

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.



79.0240, -54.4150, -43.5910



78.7220, 24.6970, 86.5930



82.2440, 9.3150, -42.1810

Square

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



78.7220, 24.6970, 86.5930



69.1480, 108.9320, 30.2440



69.2660, -32.4500, -61.7140



97.5260, -103.7570, 2.6350

Rectangle

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



78.7220, 24.6970, 86.5930



75.1130, 109.1540, 70.2900



69.2660, -32.4500, -61.7140



86.5820, -72.9410, -27.2210

Sweetspot

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



78.7220, 24.6970, 86.5930



208.2400, 9.3930, 33.5290



63.8640, -71.3930, 32.8550



98.8830, 5.5440, 20.6800



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.



78.7220, 24.6970, 86.5930



87.3750, 34.3650, 120.6450



86.3350, 65.0910, 81.4030



93.1190, 1.2830, 4.2830



55.9570, 22.1770, 77.1930



12.1770, 4.5360, 16.9200

Inverse Universe

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



75.6190, 95.2650, 52.1690



83.0850, 132.7200, 72.7200



128.6650, -65.0910, -81.4030



92.9190, 4.7220, 2.5300



53.0690, 84.9500, 46.3740



11.6760, 18.8880, 10.1200

Previews

White Background



This preview shows how the YIQ color 78.7220, 24.6970, 86.5930 looks on a white background.

Color Contrast Check

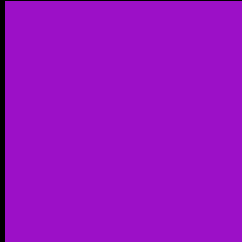
Large Text (above 18pt) WCAG AA ✓ Pass

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 78.7220, 24.6970, 86.5930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

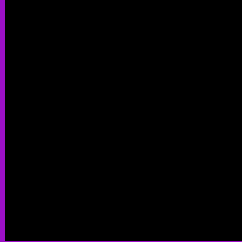
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 78.7220, 24.6970, 86.5930

Background



This preview shows how black text looks on a background with the YIQ color 78.7220, 24.6970, 86.5930.



This preview shows how white text looks on a background with the YIQ color 78.7220, 24.6970,

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

78.7220, 24.6970, 86.5930

Protanopia

77.6360, -89.0870, 12.1050

Deuteranopia

77.8350, -82.7580, 2.0260



Tritanopia

97.6240, 33.8340, 14.5860

Trichromacy



Original Color

78.7220, 24.6970, 86.5930



Protanomaly

78.3570, -47.7360, 39.1440



Deuteranomaly

78.2940, -43.4250, 32.5990



Tritanomaly

90.5910, 30.5740, 40.6380

Monochromacy



Original Color

78.7220, 24.6970, 86.5930



Achromatopsia

79.0000, -0.0000, 0.0000



Achromatomaly

78.8870, 8.8890, 31.6490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.7220, 24.6970, 86.5930 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(156, 16, 199)` looks like.

```
.text, #text, p{  
    color:rgb(156, 16, 199)  
}
```

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(156, 16, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 16, 199) }
```

Border

The CSS property to change the border of an element to YIQ 78.7220, 24.6970, 86.5930 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(156, 16, 199) }
```


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

```
.border{ border-color:rgb(156, 16, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 16, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 16, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 16, 199);  
box-shadow:4px 4px 4px 4px rgb(156, 16,  
199) }
```

Background

The CSS property to change the background color of an element to YIQ 78.7220, 24.6970, 86.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 16, 199) }
```

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

```
.background{ background-color: rgb(156, 16,  
199) }
```

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