

Converting Colors

YIQ(128.9910, 34.0050, 83.1010)

Have a look what the booklet for
YIQ(128.9910, 34.0050, 83.1010)
contains.

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Color

**YIQ(128.9910, 34.0050,
83.1010)**

Conversions

Conversions Part 1

Format	Color
Hex	D542E9
RGB	213, 66, 233
RGB Percent	84%, 26%, 91%
CMY	0.1642, 0.7414, 0.0863
CMYK	0.09, 0.72, 0.00, 0.09
HSL	293°, 79%, 59%
HSV	293°, 72%, 91%
XYZ	44.1270, 23.9360, 79.3862
YIQ	128.9910, 34.0050, 83.1010

Conversions

Conversions Part 2

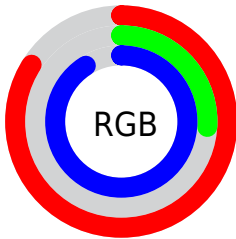
Format	Color
R _Y B	213, 66, 233
Decimal	13976297
CIE Lab	56.02, 76.71, -55.83
CIE LCh	56, 94.879, 323.955
Yxy	23.9360, 0.2993, 0.1623
Android (android.graphics.Color)	4292166377 (0xFFD542E9)
YUV	128.9910, 51.2764, 73.6759
Hunter-Lab	48.9244, 75.3789, -61.9586

Details

The YIQ color $128.9910, 34.0050, 83.1010$ is a light color, and the websafe version is hex $CC33CC$. The color can be described as light muted magenta. A complement of this color would be $170.0090, -34.0050, -83.1010$, and the grayscale version is $128.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $179.8640, 35.2000, 66.9440$, and $66.1100, 35.2880, 87.3840$ is the 20% darker color. If you saturate the color by 10%, you get $114.5930, 38.5420, 94.4940$, and if you desaturate by 10%, it is $143.3890, 29.4680, 71.7080$.

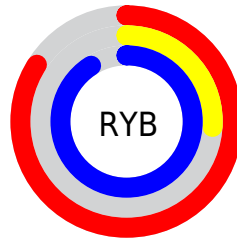
Distribution



Red (84%)

Green (26%)

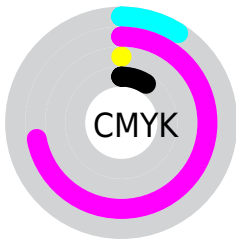
Blue (91%)



Red (84%)

Yellow (26%)

Blue (91%)

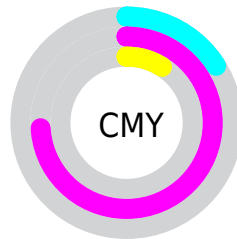


Cyan (9%)

Magenta (72%)

Yellow (0%)

Black (9%)



Cyan (16%)

Magenta (74%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 128.9910, 34.0050, 83.1010 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 128.9910, 34.0050, 83.1010 by changing the saturation by 10% instead.

128.9910, 34.0050,
83.1010

128.9910, 34.0050,
83.1010

255.0000, -0.0000,
-0.0000

93.8220, 36.1590,
88.1190

179.8640, 35.2000,
66.9440

66.1100, 35.2880,
87.3840

196.8870, 27.2250,
51.7770

54.3610, 26.6710,
72.8390

213.9100, 19.2500,
36.6100

43.0250, 18.3290,
58.8170

231.5200, 11.0000,
20.9200

31.3900, 9.3910,
44.5830

249.1300, 2.7500,
5.2300

20.4670, 1.3240,
31.0840

5.5860, -15.7290,

15.2390

■ 3.6650, -8.9420,
7.8740

■ 0.0000, 0.0000,
0.0000

■ 128.9910, 34.0050,
83.1010

■ 128.9910, 34.0050,
83.1010

■ 114.5930, 38.5420,
94.4940

■ 143.3890, 29.4680,
71.7080

■ 99.9070, 43.9500,
106.6220

■ 158.3740, 24.6560,
59.7920

■ 87.8570, 47.3870,
115.9230

■ 172.4730, 19.5230,
48.1870

■ 186.8710, 14.9860,
36.7940

201.2690, 10.4490,
25.4010

216.2540, 5.6370,
13.4850

230.6520, 1.1000,
2.0920

244.7510, -4.0330,
-9.5130

247.4090, -3.0700,
-10.4460

Harmonies

Analogous

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



116.8520, -80.2870, 28.8410



128.9910, 34.0050, 83.1010



93.9150, 102.2250, 102.2650

Triad

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



128.9910, 34.0050, 83.1010



126.2980, 71.1170, -27.8510



121.4160, -110.4000, -25.6640

Complementary

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



128.9910, 34.0050, 83.1010



170.0090, -34.0050, -83.1010

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.



110.4380, -82.2440, -51.3640



128.9910, 34.0050, 83.1010



117.0640, 18.0290, -56.9390

Square

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



128.9910, 34.0050, 83.1010



119.8720, 117.5560, 6.1000



95.4190, -46.8430, -81.7150



125.3380, -126.9550, -6.4670

Rectangle

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



128.9910, 34.0050, 83.1010



87.6450, 119.8800, 85.1600



95.4190, -46.8430, -81.7150



118.2240, -101.4120, -34.3720

Sweetspot

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



128.9910, 34.0050, 83.1010



220.0350, 11.2280, 27.8040



97.9520, -59.6570, 40.4310



106.8460, 6.9660, 16.9340



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.



128.9910, 34.0050, 83.1010



118.6730, 44.7290, 109.0250



128.0170, 65.5060, 68.3700



110.2440, 2.4290, 5.5410



68.4740, 37.2590, 90.2110



20.2090, 10.6780, 26.7580

Inverse Universe

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



118.2130, 93.1120, 41.6240



104.4450, 122.1780, 54.5140



170.9830, -65.5060, -68.3700



109.4030, 6.2350, 2.6430



56.6270, 100.8140, 45.2140



16.8300, 30.2580, 13.3140

Previews

White Background



This preview shows how the YIQ color 128.9910, 34.0050, 83.1010 looks on a white background.

Color Contrast Check

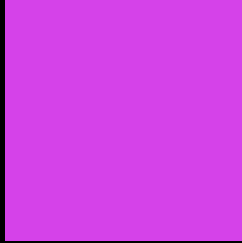
Large Text (above 18pt) WCAG AA ✓ Pass

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 128.9910, 34.0050, 83.1010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

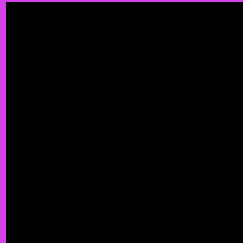
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 128.9910, 34.0050, 83.1010

Background



This preview shows how black text looks on a background with the YIQ color 128.9910, 34.0050, 83.1010.



This preview shows how white text looks on a background with the YIQ color 128.9910, 34.0050,

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

128.9910, 34.0050, 83.1010

Protanopia

125.1030, -79.7360, 24.3600

Deuteranopia

128.1740, -61.3030, 15.1850



Tritanopia

135.1210, 51.6680, 21.7800

Trichromacy



Original Color

128.9910, 34.0050, 83.1010



Protanomaly

126.2490, -38.3840, 45.8720



Deuteranomaly

128.6060, -26.5080, 39.8920



Tritanomaly

132.7130, 44.9700, 44.0580

Monochromacy



Original Color

128.9910, 34.0050, 83.1010



Achromatopsia

129.0000, 0.0000, 0.0000



Achromatomaly

129.1000, 12.6030, 30.4190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 128.9910, 34.0050, 83.1010 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(213, 66, 233)` looks like.

```
.text, #text, p{  
    color:rgb(213, 66, 233)  
}
```

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(213, 66, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 66, 233) }
```

Border

The CSS property to change the border of an element to YIQ 128.9910, 34.0050, 83.1010 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(213, 66, 233) }
```


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

```
.border{ border-color:rgb(213, 66, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 66, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 66, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 66, 233);  
box-shadow:4px 4px 4px 4px rgb(213, 66,  
233) }
```

Background

The CSS property to change the background color of an element to YIQ 128.9910, 34.0050, 83.1010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 66, 233) }
```

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

```
.background{ background-color: rgb(213, 66,  
233) }
```

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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