

Converting Colors

YIQ(191.8630, 0.2690, 33.6850)

Have a look what the booklet for
YIQ(191.8630, 0.2690, 33.6850)
contains.

YIQ(191.8630, 0.2690, 33.6850)	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(191.8630, 0.2690,
33.6850)**

Conversions

Conversions Part 1

Format	Color
Hex	D5AAF9
RGB	213, 170, 249
RGB Percent	84%, 67%, 98%
CMY	0.1645, 0.3334, 0.0236
CMYK	0.14, 0.32, 0.00, 0.02
HSL	273°, 87%, 82%
HSV	273°, 32%, 98%
XYZ	58.9196, 49.7333, 96.1041
YIQ	191.8630, 0.2690, 33.6850

Conversions

Conversions Part 2

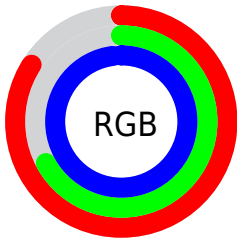
Format	Color
R _Y B	213, 170, 249
Decimal	14002937
CIE _{Lab}	75.91, 30.18, -33.39
CIE _{LCh}	76, 45.012, 312.113
Y _{xy}	49.7333, 0.2878, 0.2429
Android (android.graphics.Color)	4292193017 (0xFFD5AAF9)
Y _{UV}	191.8630, 28.1685, 18.5371
Hunter-Lab	70.5218, 25.7202, -31.4326

Details

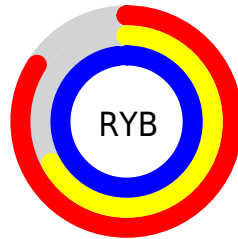
The YIQ color $191.8630, 0.2690, 33.6850$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $227.1370, -0.2690, -33.6850$, and the grayscale version is $192.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $237.9770, 7.9750, 15.1670$, and $137.5100, -0.2350, 31.8050$ is the 20% darker color. If you saturate the color by 10%, you get $173.8990, 0.5880, 44.4280$, and if you desaturate by 10%, it is $209.8270, -0.0500, 22.9420$.

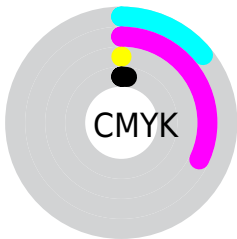
Distribution



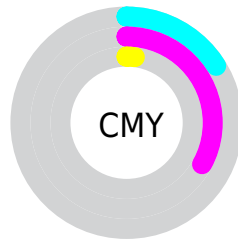
- Red (84%)
- Green (67%)
- Blue (98%)



- Red (84%)
- Yellow (67%)
- Blue (98%)



- Cyan (14%)
- Magenta (32%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 191.8630, 0.2690, 33.6850 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 191.8630, 0.2690, 33.6850 by changing the saturation by 10% instead.

191.8630, 0.2690,
33.6850

191.8630, 0.2690,
33.6850

255.0000, -0.0000,
-0.0000

164.3360, 0.3150,
32.8510

237.9770, 7.9750,
15.1670

137.5100, -0.2350,
31.8050

254.4130, 0.2750,
0.5230

111.9830, -0.1890,
30.9710

86.7440, -1.0140,
29.4020

62.9180, -1.5640,
28.3560

39.0920, -2.1140,
27.3100

16.2660, -2.6640,

26.2640

■ 4.7880, -13.4820,
13.0620

■ 2.7530, -6.3740,
5.3860

■ 191.8630, 0.2690,
33.6850

■ 191.8630, 0.2690,
33.6850

■ 173.8990, 0.5880,
44.4280

■ 209.8270, -0.0500,
22.9420

■ 155.6360, 0.3110,
54.9590

■ 228.0900, 0.2270,
12.4110

■ 137.6720, 0.6300,
65.7020

■ 246.0540, -0.0920,
1.6680

■ 119.7080, 0.9490,
76.4450

■ 254.3160, 1.9260,
-1.8660

■ 101.4450, 0.6720,
86.9760

■ 84.0680, 0.7160,
97.1960

■ 69.0500, 1.1270,
106.2710

Harmonies

Analogous

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



183.9990, -41.8170, 14.4630



191.8630, 0.2690, 33.6850



191.9030, 38.3230, 37.8670

Triad

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



191.8630, 0.2690, 33.6850



185.8890, 56.9920, -8.6400



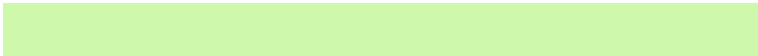
145.8250, -122.6380, -46.1740

Complementary

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



191.8630, 0.2690, 33.6850



227.1370, -0.2690, -33.6850

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.



168.4530, -51.0690, -38.1490



191.8630, 0.2690, 33.6850



182.2890, 31.7780, -25.2620

Square

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



191.8630, 0.2690, 33.6850



186.5010, 64.7370, 10.6970



177.2720, -5.0830, -34.5470



148.5100, -134.3320, -32.4760

Rectangle

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



191.8630, 0.2690, 33.6850



187.8470, 49.9240, 31.3640



177.2720, -5.0830, -34.5470



157.0860, -92.5160, -41.4120

Sweetspot

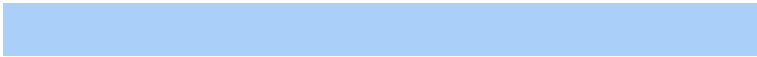
The Sweet Spot groups the original color and five complimentary colors.



191.8630, 0.2690, 33.6850



236.7370, -0.2770, 10.5310



200.7250, -35.5340, 5.2180



116.5150, 0.2280, 6.8840



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.



191.8630, 0.2690, 33.6850



184.9050, 0.4510, 41.4030



202.2850, 22.6880, 40.3840



115.5750, -0.0010, 5.5270



52.3430, 0.7190, 80.6150



16.8210, 0.0870, 25.9670

Inverse Universe

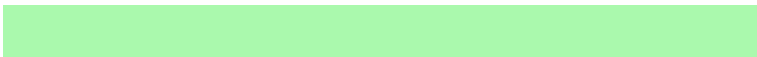
The Inverse Universe completely reimagines the original color for something new.



197.7250, 35.5280, 27.9440



192.0190, 43.6880, 34.2480



216.7150, -22.6880, -40.3840



116.5710, 5.8220, 4.6220



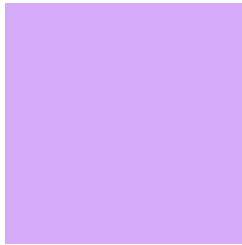
66.3150, 85.0380, 66.8140



21.4310, 27.3680, 21.6400

Previews

White Background



This preview shows how the YIQ color 191.8630, 0.2690, 33.6850 looks on a white background.

Color Contrast Check

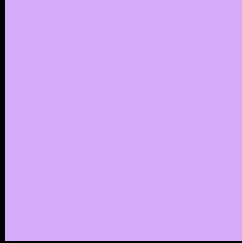
Large Text (above 18pt) WCAG AA × Fail

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 191.8630, 0.2690, 33.6850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

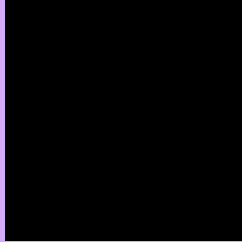
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 191.8630, 0.2690, 33.6850

Background



This preview shows how black text looks on a background with the YIQ color 191.8630, 0.2690, 33.6850.

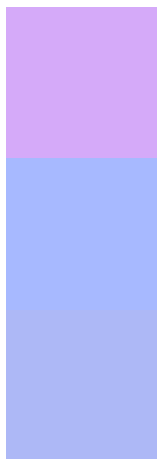


This preview shows how white text looks on a background with the YIQ color 191.8630, 0.2690,

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

191.8630, 0.2690, 33.6850

Protanopia

187.5980, -33.1980, 17.9540

Deuteranopia

187.7790, -26.4580, 16.9500



Tritanopia

189.4730, 9.2140, 9.2300

Trichromacy



Original Color

191.8630, 0.2690, 33.6850

Protanomaly

189.5180, -21.0490, 23.5510

Deuteranomaly

189.4430, -16.4640, 23.0560

Tritanomaly

190.3020, 5.6820, 18.1780

Monochromacy



Original Color

191.8630, 0.2690, 33.6850

Achromatopsia

192.0000, -0.0000, 0.0000

Achromatomaly

192.0900, 0.2270, 12.4110

CSS Examples

Text

The CSS property to change the color of the text to YIQ 191.8630, 0.2690, 33.6850 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, 170, 249)` looks like.

```
.text, #text, p{  
    color:rgb(213, 170, 249)  
}
```

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, 170, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 170, 249) }
```

Border

The CSS property to change the border of an element to YIQ 191.8630, 0.2690, 33.6850 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, 170, 249) }
```


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

```
.border{ border-color:rgb(213, 170, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 170, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 170, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 170, 249);  
box-shadow:4px 4px 4px 4px rgb(213, 170,  
249) }
```

Background

The CSS property to change the background color of an element to YIQ 191.8630, 0.2690, 33.6850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 170, 249) }
```

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

```
.background{ background-color: rgb(213,  
170, 249) }
```

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