

Converting Colors

YIQ(178.7630, -2.0250, 42.2230)

Have a look what the booklet for
YIQ(178.7630, -2.0250, 42.2230)
contains.

YIQ(178.7630, -2.0250, 42.2230)	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(178.7630, -2.0250,
42.2230)**

Conversions

Conversions Part 1

Format	Color
Hex	CB98FD
RGB	203, 152, 253
RGB Percent	80%, 60%, 99%
CMY	0.2037, 0.4040, 0.0079
CMYK	0.20, 0.40, 0.00, 0.01
HSL	270°, 96%, 79%
HSV	270°, 40%, 99%
XYZ	53.5923, 42.2432, 98.2393
YIQ	178.7630, -2.0250, 42.2230

Conversions

Conversions Part 2

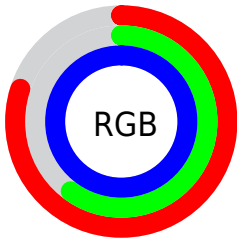
Format	Color
RYB	203, 152, 253
Decimal	13342973
CIELab	71.04, 37.91, -43.19
CIELCh	71, 57.467, 311.271
Yxy	42.2432, 0.2761, 0.2177
Android (android.graphics.Color)	4291533053 (0xFFFCB98FD)
YUV	178.7630, 36.5988, 21.2558
Hunter-Lab	64.9947, 33.4439, -44.1203

Details

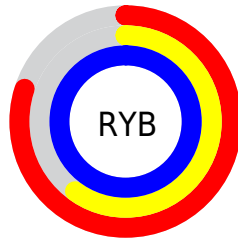
The YIQ color $178.7630, -2.0250, 42.2230$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $226.2370, 2.0250, -42.2230$, and the grayscale version is $178.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $226.8240, 13.2000, 25.1040$, and $124.9970, -2.8040, 39.8200$ is the 20% darker color. If you saturate the color by 10%, you get $160.5000, -2.3020, 52.7540$, and if you desaturate by 10%, it is $197.3250, -1.1520, 31.9040$.

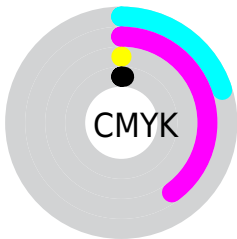
Distribution



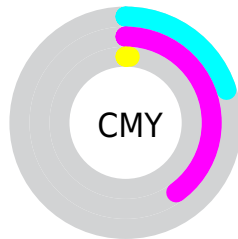
- Red (80%)
- Green (60%)
- Blue (99%)



- Red (80%)
- Yellow (60%)
- Blue (99%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (1%)





- Cyan (20%)
- Magenta (40%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 178.7630, -2.0250, 42.2230 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 178.7630, -2.0250, 42.2230 by changing the saturation by 10% instead.

 178.7630, -2.0250,
42.2230

 178.7630, -2.0250,
42.2230


255.0000, -0.0000,
-0.0000


 151.8230, -2.2540,
40.8660


 226.8240, 13.2000,
25.1040


 124.9970, -2.8040,
39.8200

 243.2600, 5.5000,
10.4600

 99.0570, -3.0330,
38.4630

 73.9320, -4.1790,
37.2050

 49.1060, -4.7290,
36.1590

 23.6930, -5.0040,
35.6360

 13.3190, -10.1830,

24.8650

■ 6.6630, -14.6280,
11.8040

■ 3.0950, -7.3370,
6.3190

■ 178.7630, -2.0250,
42.2230

■ 178.7630, -2.0250,
42.2230

■ 160.5000, -2.3020,
52.7540

■ 197.3250, -1.1520,
31.9040

■ 141.3510, -2.9000,
63.5960

■ 216.1750, -1.1500,
20.8500

■ 123.0880, -3.1770,
74.1270

■ 234.7370, -0.2770,
10.5310

■ 104.5260, -4.0500,
84.4460

■ 253.0000, -0.0000,
-0.0000

■ 85.6760, -4.0520,
95.5000

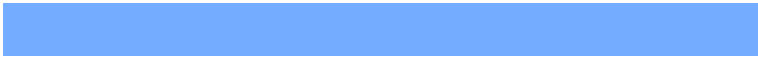
254.7720, 0.6420,
-0.6220

■ 67.1140, -4.9250,
105.8190

Harmonies

Analogous

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



165.3050, -60.2940, 13.4180



178.7630, -2.0250, 42.2230



177.5440, 47.1240, 49.0760

Triad

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



178.7630, -2.0250, 42.2230



170.3110, 70.2430, -12.0050



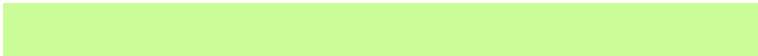
139.4020, -116.9530, -44.5770

Complementary

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



178.7630, -2.0250, 42.2230



226.2370, 2.0250, -42.2230

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.



139.1340, -84.4440, -55.5480



178.7630, -2.0250, 42.2230



166.6240, 40.7200, -33.1360

Square

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



178.7630, -2.0250, 42.2230



170.6230, 79.1330, 14.1170



159.8770, -5.7690, -44.1450



143.2270, -131.8570, -27.7690

Rectangle

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



178.7630, -2.0250, 42.2230



171.2170, 60.9260, 41.2300



159.8770, -5.7690, -44.1450



137.3500, -111.1750, -50.1750

Sweetspot

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



178.7630, -2.0250, 42.2230



232.3180, -0.4150, 13.0330



192.8640, -46.1710, 5.2610



114.7430, -0.4140, 7.5060



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.



178.7630, -2.0250, 42.2230



165.1470, -2.8060, 50.8740



193.7130, 27.7750, 52.8230



118.2760, -0.5970, 5.3150



50.7770, -3.4990, 79.9650



16.8640, -1.4720, 26.6880

Inverse Universe

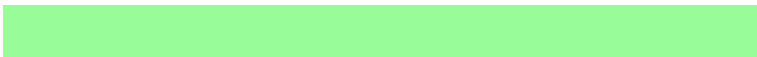
The Inverse Universe completely reimagines the original color for something new.



187.8990, 44.1460, 36.9620



176.3180, 53.4520, 44.5240



211.2870, -27.7750, -52.8230



119.5710, 5.8220, 4.6220



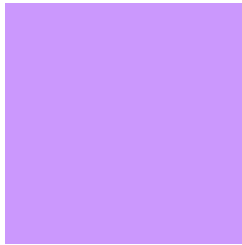
67.9390, 83.3410, 70.0370



22.7840, 27.8720, 23.5200

Previews

White Background



This preview shows how the YIQ color 178.7630, -2.0250, 42.2230 looks on a white background.

Color Contrast Check

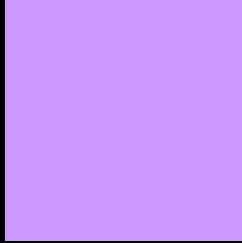
Large Text (above 18pt) WCAG AA × Fail

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 178.7630, -2.0250, 42.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

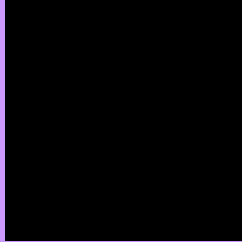
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 178.7630, -2.0250, 42.2230

Background



This preview shows how black text looks on a background with the YIQ color 178.7630, -2.0250, 42.2230.



This preview shows how white text looks on a background with the YIQ color 178.7630, -2.0250,

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

178.7630, -2.0250, 42.2230

Protanopia

173.1010, -41.8640, 20.8240

Deuteranopia

172.7050, -40.8090, 18.2230



Tritanopia

175.7720, 9.8100, 9.4420

Trichromacy



Original Color

178.7630, -2.0250, 42.2230



Protanomaly

175.1570, -27.1020, 28.6260



Deuteranomaly

174.9890, -26.6890, 26.6470



Tritanomaly

176.9970, 5.2230, 20.9910

Monochromacy



Original Color

178.7630, -2.0250, 42.2230



Achromatopsia

179.0000, -0.0000, -0.0000



Achromatomaly

178.8990, -0.5530, 15.5350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 178.7630, -2.0250, 42.2230 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(203, 152, 253)` looks like.

```
.text, #text, p{  
    color:rgb(203, 152, 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(203, 152, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 152, 253) }
```

Border

The CSS property to change the border of an element to YIQ 178.7630, -2.0250, 42.2230 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(203, 152, 253) }
```


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

```
.border{ border-color:rgb(203, 152, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 152, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 152, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 152, 253);  
box-shadow:4px 4px 4px 4px rgb(203, 152,  
253) }
```

Background

The CSS property to change the background color of an element to YIQ 178.7630, -2.0250, 42.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 152, 253) }
```

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

```
.background{ background-color: rgb(203,  
152, 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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