

Converting Colors

YIQ(188.7700, 5.2650, 42.2650)

Have a look what the booklet for
YIQ(188.7700, 5.2650, 42.2650)
contains.

YIQ(188.7700, 5.2650, 42.2650)	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(188.7700, 5.2650,
42.2650)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA0FF
RGB	220, 160, 255
RGB Percent	86%, 63%, 100%
CMY	0.1370, 0.3726, 0.0000
CMYK	0.14, 0.37, 0.00, 0.00
HSL	278°, 100%, 81%
HSV	278°, 37%, 100%
XYZ	60.1451, 47.5758, 100.6095
YIQ	188.7700, 5.2650, 42.2650

Conversions

Conversions Part 2

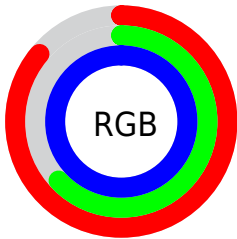
Format	Color
R _Y B	220, 160, 255
Decimal	14459135
CIE Lab	74.56, 38.93, -38.67
CIE LCh	75, 54.873, 315.196
Yxy	47.5758, 0.2887, 0.2284
Android (android.graphics.Color)	4292649215 (0xFFDCA0FF)
YUV	188.7700, 32.6514, 27.3887
Hunter-Lab	68.9752, 34.9421, -38.1997

Details

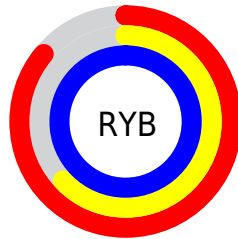
The YIQ color $188.7700, 5.2650, 42.2650$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $226.2300, -5.2650, -42.2650$, and the grayscale version is $188.0000, 0.0000, 0.0000$.

A 20% lighter version of the original color is $232.1070, 10.7250, 20.3970$, and $134.4170, 4.7610, 40.3850$ is the 20% darker color. If you saturate the color by 10%, you get $170.8170, 7.0510, 53.9550$, and if you desaturate by 10%, it is $206.1360, 3.7540, 31.0980$.

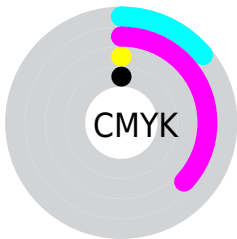
Distribution



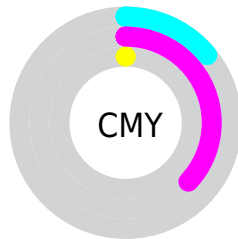
- Red (86%)
- Green (63%)
- Blue (100%)



- Red (86%)
- Yellow (63%)
- Blue (100%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 188.7700, 5.2650, 42.2650 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 188.7700, 5.2650, 42.2650 by changing the saturation by 10% instead.


 188.7700, 5.2650,
42.2650


 188.7700, 5.2650,
42.2650


255.0000, -0.0000,
-0.0000


 161.2430, 5.3110,
41.4310


 231.5200, 11.0000,
20.9200


 134.4170, 4.7610,
40.3850

 248.5430, 3.0250,
5.7530

 108.1780, 3.9360,
38.8160

 83.3520, 3.3860,
37.7700

 57.9390, 3.1110,
37.2470

 31.9390, 3.1110,
37.2470

 17.9180, -1.5640,

28.3560

■ 5.1300, -14.4450,
13.9950

■ 3.3230, -7.9790,
6.9410

■ 188.7700, 5.2650,
42.2650

■ 188.7700, 5.2650,
42.2650

■ 170.8170, 7.0510,
53.9550

■ 206.1360, 3.7540,
31.0980

■ 153.1520, 7.9660,
64.9100

■ 224.3880, 2.5640,
19.6200

■ 135.1990, 9.7520,
76.6000

■ 241.7540, 1.0530,
8.4530

■ 117.8330, 11.2630,
87.7670

■ 255.0000, -0.0000,
-0.0000

■ 99.5810, 12.4530,
99.2450

■ 82.2150, 13.9640,
110.4120

■ 77.2090, 14.1010,
113.4370

Harmonies

Analogous

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



178.0850, -44.9350, 15.9050



188.7700, 5.2650, 42.2650



184.8270, 44.6490, 44.3690

Triad

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



188.7700, 5.2650, 42.2650



180.5060, 65.2000, -14.2240



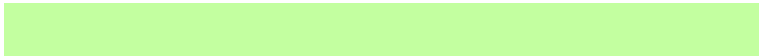
146.3950, -124.2430, -44.6190

Complementary

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



188.7700, 5.2650, 42.2650



226.2300, -5.2650, -42.2650

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.



150.6550, -84.3530, -51.6890



188.7700, 5.2650, 42.2650



176.5030, 33.7510, -33.4890

Square

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



188.7700, 5.2650, 42.2650



179.0520, 73.3110, 9.4950



169.6960, -12.5090, -43.1410



149.8780, -138.1840, -28.7440

Rectangle

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



188.7700, 5.2650, 42.2650



178.6030, 56.6630, 35.8870



169.6960, -12.5090, -43.1410



144.4570, -118.7860, -49.9060

Sweetspot

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



188.7700, 5.2650, 42.2650



235.5740, 1.7400, 12.5240



191.9620, -40.3950, 10.7170



115.9280, 0.5030, 7.4070



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.



188.7700, 5.2650, 42.2650



174.9370, 6.5930, 51.2410



197.9810, 29.6560, 46.2640



118.8740, 0.5950, 5.7390



57.9530, 10.8050, 85.0530



19.2560, 3.2960, 28.3840

Inverse Universe

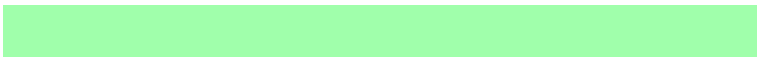
The Inverse Universe completely reimagines the original color for something new.



192.3950, 45.3850, 31.0250



179.1730, 55.0580, 37.4420



217.0190, -29.6560, -46.2640



119.3430, 6.4640, 4.0000



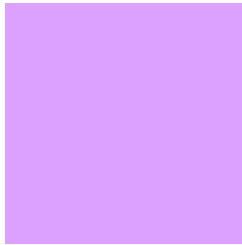
65.0890, 91.3660, 62.2620



21.7580, 30.7610, 20.7210

Previews

White Background



This preview shows how the YIQ color 188.7700, 5.2650, 42.2650 looks on a white background.

Color Contrast Check

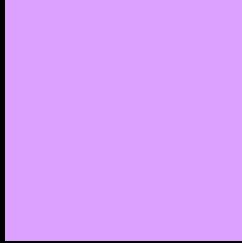
Large Text (above 18pt) WCAG AA × Fail

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 188.7700, 5.2650, 42.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

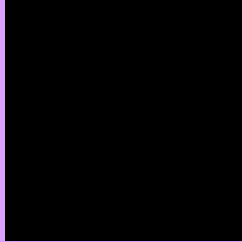
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 188.7700, 5.2650, 42.2650

Background



This preview shows how black text looks on a background with the YIQ color 188.7700, 5.2650, 42.2650.



This preview shows how white text looks on a background with the YIQ color 188.7700, 5.2650,

42.2650.

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

188.7700, 5.2650, 42.2650

Protanopia

183.4560, -35.6740, 18.7740

Deuteranopia

183.5980, -33.1980, 17.9540



Tritanopia

186.3600, 16.9620, 11.9860

Trichromacy



Original Color

188.7700, 5.2650, 42.2650



Protanomaly

185.0390, -20.9580, 27.4100



Deuteranomaly

185.2950, -18.8030, 26.9010



Tritanomaly

187.3570, 13.0170, 22.9130

Monochromacy



Original Color

188.7700, 5.2650, 42.2650



Achromatopsia

189.0000, -0.0000, -0.0000



Achromatomaly

188.5680, 1.8770, 15.5490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 188.7700, 5.2650, 42.2650 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(220, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 160, 255)  
}
```

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(220, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 160, 255) }
```

Border

The CSS property to change the border of an element to YIQ 188.7700, 5.2650, 42.2650 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(220, 160, 255) }
```


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

```
.border{ border-color:rgb(220, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 160,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 188.7700, 5.2650, 42.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 160, 255) }
```

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

```
.background{ background-color: rgb(220,  
160, 255) }
```

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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