

Converting Colors

YIQ(163.1420, 12.7850, 38.1370)

Have a look what the booklet for
YIQ(163.1420, 12.7850, 38.1370)
contains.

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Color

**YIQ(163.1420, 12.7850,
38.1370)**

Conversions

Conversions Part 1

Format	Color
Hex	C787D6
RGB	199, 135, 214
RGB Percent	78%, 53%, 84%
CMY	0.2194, 0.4707, 0.1608
CMYK	0.07, 0.37, 0.00, 0.16
HSL	289°, 49%, 68%
HSV	289°, 37%, 84%
XYZ	44.3643, 34.3245, 67.9036
YIQ	163.1420, 12.7850, 38.1370

Conversions

Conversions Part 2

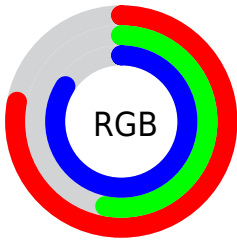
Format	Color
R _{YB}	199, 135, 214
Decimal	13076438
CIE Lab	65.22, 37.77, -30.84
CIE LCh	65, 48.762, 320.768
Yxy	34.3245, 0.3026, 0.2341
Android (android.graphics.Color)	4291266518 (0xFFC787D6)
YUV	163.1420, 25.0730, 31.4475
Hunter-Lab	58.5872, 32.6392, -27.7072

Details

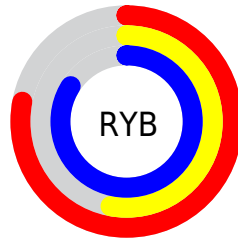
The YIQ color $163.1420, 12.7850, 38.1370$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $185.8580, -12.7850, -38.1370$, and the grayscale version is $163.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $216.2580, 18.1500, 34.5180$, and $110.4900, 11.6850, 36.0450$ is the 20% darker color. If you saturate the color by 10%, you get $149.6190, 16.1760, 48.2720$, and if you desaturate by 10%, it is $176.6650, 9.3940, 28.0020$.

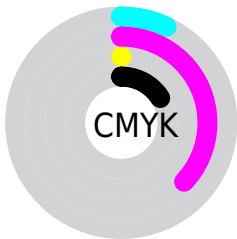
Distribution



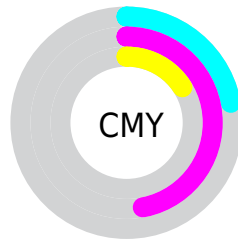
- Red (78%)
- Green (53%)
- Blue (84%)



- Red (78%)
- Yellow (53%)
- Blue (84%)



- Cyan (7%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)



- Cyan (22%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.1420, 12.7850, 38.1370 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 163.1420, 12.7850, 38.1370 by changing the saturation by 10% instead.

■ 163.1420, 12.7850,
38.1370

■ 163.1420, 12.7850,
38.1370

■ 255.0000, -0.0000,
-0.0000

■ 136.3160, 12.2350,
37.0910

■ 216.2580, 18.1500,
34.5180

■ 110.4900, 11.6850,
36.0450

■ 232.6940, 10.4500,
19.8740

■ 84.7780, 10.8140,
35.3100

■ 249.7170, 2.4750,
4.7070

■ 59.9520, 10.2640,
34.2640

■ 33.8920, 10.4930,
35.6210

■ 19.2840, 6.0930,
27.2530

■ 9.0020, -2.3410,

14.8990

■ 2.0690, -4.4480,
3.5200

■ 0.0000, 0.0000,
0.0000

■ 163.1420, 12.7850,
38.1370

■ 163.1420, 12.7850,
38.1370

■ 149.6190, 16.1760,
48.2720

■ 176.6650, 9.3940,
28.0020

■ 135.5090, 19.8420,
58.9300

■ 190.7750, 5.7280,
17.3440

■ 121.9860, 23.2330,
69.0650

■ 204.2980, 2.3370,
7.2090

■ 107.8760, 26.8990,
79.7230

■ 218.4080, -1.3290,
-3.4490

■ 94.3530, 30.2900,
89.8580

■ 231.9310, -4.7200,
-13.5840

■ 80.8300, 33.6810,
99.9930

■ 240.7580, -5.9110,
-19.5350

■ 76.4220, 35.0100,
103.4420

■ 241.9540, -3.5270,
-18.6870

■ 243.1500, -1.1430,
-17.8390

■ 244.3460, 1.2410,
-16.9910

Harmonies

Analogous

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



158.1450, -35.9960, 24.6120



163.1420, 12.7850, 38.1370



161.4050, 48.5930, 38.9690

Triad

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



163.1420, 12.7850, 38.1370



155.2210, 52.8210, -15.6510



127.0920, -109.8480, -35.6720

Complementary

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



163.1420, 12.7850, 38.1370



185.8580, -12.7850, -38.1370

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.



121.9620, -95.4030, -49.6670



163.1420, 12.7850, 38.1370



151.2230, 22.9760, -30.9440

Square

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



163.1420, 12.7850, 38.1370



157.3070, 68.0390, 5.9190



145.0360, -19.1580, -38.2780



128.9620, -120.6250, -22.0730

Rectangle

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



163.1420, 12.7850, 38.1370



159.2030, 63.5410, 32.3810



145.0360, -19.1580, -38.2780



125.9690, -105.3080, -40.8600

Sweetspot

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



163.1420, 12.7850, 38.1370



237.0690, 4.7200, 13.5840



153.3980, -29.7590, 16.2010



116.8250, 2.2910, 8.0430



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.



163.1420, 12.7850, 38.1370



182.9770, 18.2840, 54.1240



164.8910, 29.4290, 33.8530



99.9450, 1.8330, 5.3290



61.0550, 27.9530, 82.6490



15.3670, 7.0570, 20.7930

Inverse Universe

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



160.3310, 42.2690, 21.4130



178.8820, 60.0110, 30.2750



184.1090, -29.4290, -33.8530



99.5170, 5.9140, 2.9540



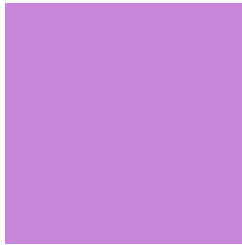
54.7770, 91.6440, 46.2040



13.7690, 23.0600, 11.6040

Previews

White Background



This preview shows how the YIQ color 163.1420, 12.7850, 38.1370 looks on a white background.

Color Contrast Check

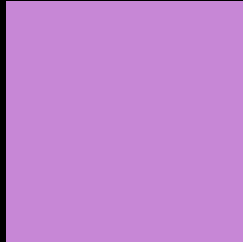
Large Text (above 18pt) WCAG AA × Fail

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 163.1420, 12.7850, 38.1370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

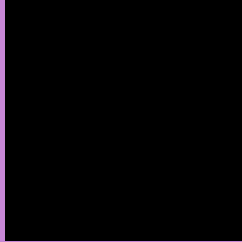
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 163.1420, 12.7850, 38.1370

Background



This preview shows how black text looks on a background with the YIQ color 163.1420, 12.7850, 38.1370.



This preview shows how white text looks on a background with the YIQ color 163.1420, 12.7850,

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

163.1420, 12.7850, 38.1370

Protanopia

157.9720, -37.1870, 18.6610

Deuteranopia

159.1660, -23.2940, 14.6740



Tritanopia

161.4100, 22.6930, 12.7490

Trichromacy



Original Color

163.1420, 12.7850, 38.1370



Protanomaly

159.7680, -18.7570, 26.0670



Deuteranomaly

160.2650, -10.0910, 23.1970



Tritanomaly

162.2390, 19.1610, 21.6970

Monochromacy



Original Color

163.1420, 12.7850, 38.1370



Achromatopsia

163.0000, -0.0000, -0.0000



Achromatomaly

163.1830, 4.3990, 13.8950

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.1420, 12.7850, 38.1370 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(199, 135, 214)` looks like.

```
.text, #text, p{  
    color:rgb(199, 135, 214)  
}
```

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(199, 135, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 135, 214) }
```

Border

The CSS property to change the border of an element to YIQ 163.1420, 12.7850, 38.1370 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(199, 135, 214) }
```


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

```
.border{ border-color:rgb(199, 135, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 135, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 135, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 135, 214);  
box-shadow:4px 4px 4px 4px rgb(199, 135,  
214) }
```

Background

The CSS property to change the background color of an element to YIQ 163.1420, 12.7850, 38.1370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 135, 214) }
```

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

```
.background{ background-color: rgb(199,  
135, 214) }
```

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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