

Converting Colors

YIQ(163.1640, 15.7190, 40.0310)

Have a look what the booklet for
YIQ(163.1640, 15.7190, 40.0310)
contains.

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Color

**YIQ(163.1640, 15.7190,
40.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	CB85D6
RGB	203, 133, 214
RGB Percent	80%, 52%, 84%
CMY	0.2037, 0.4785, 0.1608
CMYK	0.05, 0.38, 0.00, 0.16
HSL	292°, 50%, 68%
HSV	292°, 38%, 84%
XYZ	45.1648, 34.3264, 67.8635
YIQ	163.1640, 15.7190, 40.0310

Conversions

Conversions Part 2

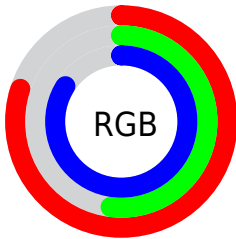
Format	Color
R _Y B	203, 133, 214
Decimal	13338070
CIE Lab	65.22, 40.08, -30.80
CIE LCh	65, 50.552, 322.458
Yxy	34.3264, 0.3065, 0.2330
Android (android.graphics.Color)	4291528150 (0xFFFCB85D6)
YUV	163.1640, 25.0621, 34.9362
Hunter-Lab	58.5887, 35.0716, -27.6637

Details

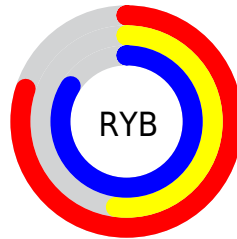
The YIQ color **163.1640, 15.7190, 40.0310** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **183.8360, -15.7190, -40.0310**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **215.0840, 18.7000, 35.5640**, and **109.6260, 14.2980, 38.2500** is the 20% darker color. If you saturate the color by 10%, you get **149.9400, 19.7060, 50.3780**, and if you desaturate by 10%, it is **176.3880, 11.7320, 29.6840**.

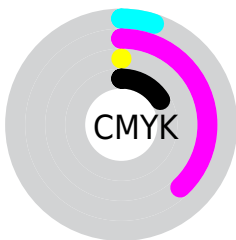
Distribution



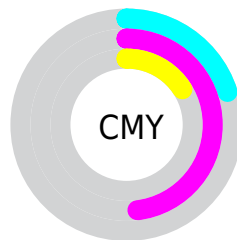
- Red (80%)
- Green (52%)
- Blue (84%)



- Red (80%)
- Yellow (52%)
- Blue (84%)



- Cyan (5%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (20%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.1640, 15.7190, 40.0310 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 163.1640, 15.7190, 40.0310 by changing the saturation by 10% instead.

163.1640, 15.7190,
40.0310

163.1640, 15.7190,
40.0310

255.0000, -0.0000,
-0.0000

136.3380, 15.1690,
38.9850

215.0840, 18.7000,
35.5640

109.9250, 14.8940,
38.4620

231.5200, 11.0000,
20.9200

84.8000, 13.7480,
37.2040

248.5430, 3.0250,
5.7530

58.8000, 13.7480,
37.2040

31.2670, 13.9310,
39.3950

20.1810, 7.8810,
27.8890

10.1980, 0.0430,

15.7470

■ 2.0690, -4.4480,
3.5200

■ 0.0000, 0.0000,
0.0000

■ 163.1640, 15.7190,
40.0310

■ 163.1640, 15.7190,
40.0310

■ 149.9400, 19.7060,
50.3780

■ 176.3880, 11.7320,
29.6840

■ 136.1290, 23.9680,
61.2480

■ 190.1990, 7.4700,
18.8140

■ 122.9050, 27.9550,
71.5950

■ 203.4230, 3.4830,
8.4670

■ 109.0940, 32.2170,
82.4650

■ 217.2340, -0.7790,
-2.4030

■ 96.1690, 36.8000,
93.0240

■ 230.4580, -4.7660,
-12.7500

■ 82.9450, 40.7870,
103.3710

■ 239.8610, -7.6990,
-20.1710

■ 79.7110, 41.5660,
105.7740

■ 240.7580, -5.9110,
-19.5350

■ 241.6550, -4.1230,
-18.8990

■ 242.5520, -2.3350,
-18.2630

Harmonies

Analogous

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



158.6830, -34.5750, 26.3930



163.1640, 15.7190, 40.0310



160.6120, 52.4440, 40.7640

Triad

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



163.1640, 15.7190, 40.0310



154.7540, 52.6380, -17.8420



128.0210, -111.0860, -35.2620

Complementary

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



163.1640, 15.7190, 40.0310



183.8360, -15.7190, -40.0310

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.



122.1900, -96.0450, -49.0450



163.1640, 15.7190, 40.0310



150.6850, 21.5550, -32.7250

Square

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



163.1640, 15.7190, 40.0310



157.1500, 69.9190, 4.8870



143.5300, -23.6050, -40.2850



130.0050, -122.1840, -21.3520

Rectangle

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



163.1640, 15.7190, 40.0310



159.1710, 66.5670, 32.6070



143.5300, -23.6050, -40.2850



126.3110, -106.2710, -39.9270

Sweetspot

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



163.1640, 15.7190, 40.0310



237.3680, 5.3160, 13.7960



149.2780, -29.3010, 18.9150



117.1240, 2.8870, 8.2550



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.



163.1640, 15.7190, 40.0310



183.0100, 22.6850, 56.9650



163.2610, 31.2630, 33.6550



100.2440, 2.4290, 5.5410



63.7460, 33.3170, 84.5570



15.9650, 8.2490, 21.2170

Inverse Universe

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



158.4730, 44.7450, 20.5930



176.2090, 63.4040, 29.3560



183.7390, -31.2630, -33.6550



99.5170, 5.9140, 2.9540



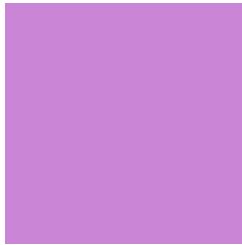
53.7510, 94.5330, 43.4050



13.5410, 23.7020, 10.9820

Previews

White Background



This preview shows how the YIQ color 163.1640, 15.7190, 40.0310 looks on a white background.

Color Contrast Check

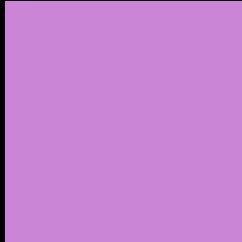
Large Text (above 18pt) WCAG AA × Fail

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 163.1640, 15.7190, 40.0310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

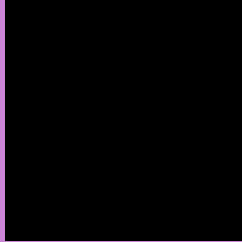
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 163.1640, 15.7190, 40.0310

Background



This preview shows how black text looks on a background with the YIQ color 163.1640, 15.7190, 40.0310.



This preview shows how white text looks on a background with the YIQ color 163.1640, 15.7190,

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

163.1640, 15.7190, 40.0310

Protanopia

158.0860, -37.5080, 18.9720

Deuteranopia

159.1660, -23.2940, 14.6740



Tritanopia

161.2040, 26.2690, 14.0210

Trichromacy



Original Color

163.1640, 15.7190, 40.0310



Protanomaly

160.0670, -18.1610, 26.2790



Deuteranomaly

160.8630, -8.8990, 23.6210



Tritanomaly

162.1470, 22.4160, 23.2800

Monochromacy



Original Color

163.1640, 15.7190, 40.0310



Achromatopsia

163.0000, -0.0000, -0.0000



Achromatomaly

163.1940, 5.8660, 14.8420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.1640, 15.7190, 40.0310 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, 133, 214)` looks like.

```
.text, #text, p{  
    color:rgb(203, 133, 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(203, 133, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 133, 214) }
```

Border

The CSS property to change the border of an element to YIQ 163.1640, 15.7190, 40.0310 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, 133, 214) }
```


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

```
.border{ border-color:rgb(203, 133, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 133, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 133, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 133, 214);  
box-shadow:4px 4px 4px 4px rgb(203, 133,  
214) }
```

Background

The CSS property to change the background color of an element to YIQ 163.1640, 15.7190, 40.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 133, 214) }
```

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

```
.background{ background-color: rgb(203,  
133, 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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