

Converting Colors

YIQ(164.7510, 15.4440, 39.5080)

Have a look what the booklet for
YIQ(164.7510, 15.4440, 39.5080)
contains.

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Color

**YIQ(164.7510, 15.4440,
39.5080)**

Conversions

Conversions Part 1

Format	Color
Hex	CC87D7
RGB	204, 135, 215
RGB Percent	80%, 53%, 84%
CMY	0.1998, 0.4707, 0.1569
CMYK	0.05, 0.37, 0.00, 0.16
HSL	292°, 50%, 69%
HSV	292°, 37%, 84%
XYZ	45.8425, 35.0713, 68.6431
YIQ	164.7510, 15.4440, 39.5080

Conversions

Conversions Part 2

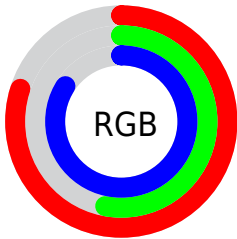
Format	Color
RYB	204, 135, 215
Decimal	13404119
CIELab	65.80, 39.51, -30.45
CIELCh	66, 49.883, 322.380
Yxy	35.0713, 0.3065, 0.2345
Android (android.graphics.Color)	4291594199 (0xFFCC87D7)
YUV	164.7510, 24.7728, 34.4214
Hunter-Lab	59.2210, 34.5385, -27.2684

Details

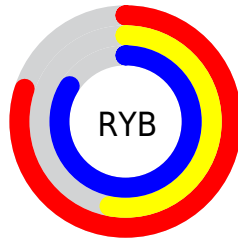
The YIQ color **164.7510, 15.4440, 39.5080** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **185.2490, -15.4440, -39.5080**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **216.2580, 18.1500, 34.5180**, and **111.2130, 14.0230, 37.7270** is the 20% darker color. If you saturate the color by 10%, you get **150.9400, 19.7060, 50.3780**, and if you desaturate by 10%, it is **177.9750, 11.4570, 29.1610**.

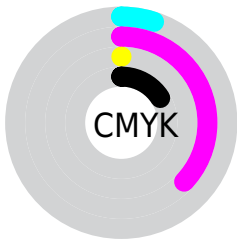
Distribution



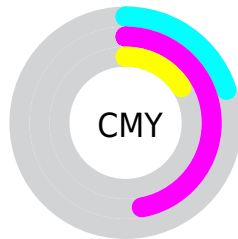
- Red (80%)
- Green (53%)
- Blue (84%)



- Red (80%)
- Yellow (53%)
- Blue (84%)



- Cyan (5%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)



- Cyan (20%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 164.7510, 15.4440, 39.5080 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 164.7510, 15.4440, 39.5080 by changing the saturation by 10% instead.

164.7510, 15.4440,
39.5080

164.7510, 15.4440,
39.5080

255.0000, -0.0000,
-0.0000

137.9250, 14.8940,
38.4620

216.2580, 18.1500,
34.5180

111.5120, 14.6190,
37.9390

233.2810, 10.1750,
19.3510

86.3870, 13.4730,
36.6810

249.7170, 2.4750,
4.7070

60.9740, 13.1980,
36.1580

33.3270, 13.7020,
38.0380

20.5940, 8.1560,
28.4120

10.9100, 0.9140,

16.4820

■ 2.1830, -4.7690,
3.8310

■ 0.0000, 0.0000,
0.0000

■ 164.7510, 15.4440,
39.5080

■ 164.7510, 15.4440,
39.5080

■ 150.9400, 19.7060,
50.3780

■ 177.9750, 11.4570,
29.1610

■ 137.7160, 23.6930,
60.7250

■ 191.7860, 7.1950,
18.2910

■ 123.9050, 27.9550,
71.5950

■ 205.0100, 3.2080,
7.9440

■ 110.6810, 31.9420,
81.9420

■ 218.8210, -1.0540,
-2.9260

■ 96.8700, 36.2040,
92.8120

■ 232.0450, -5.0410,
-13.2730

■ 83.6460, 40.1910,
103.1590

■ 240.5730, -6.8280,
-19.4360

■ 80.1240, 41.8410,
106.2970

■ 241.4700, -5.0400,
-18.8000

■ 242.3670, -3.2520,
-18.1640

■ 243.2640, -1.4640,
-17.5280

Harmonies

Analogous

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



160.5690, -34.2540, 26.0820



164.7510, 15.4440, 39.5080



162.7860, 51.8940, 39.7180

Triad

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



164.7510, 15.4440, 39.5080



156.1670, 52.9130, -17.3190



128.8360, -112.0030, -35.1630

Complementary

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



164.7510, 15.4440, 39.5080



185.2490, -15.4440, -39.5080

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.



123.5920, -97.2370, -49.4690



164.7510, 15.4440, 39.5080



152.6850, 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.



164.7510, 15.4440, 39.5080



158.8510, 69.3230, 4.6750



145.2420, -22.7340, -39.5500



130.7060, -122.7800, -21.5640

Rectangle

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



164.7510, 15.4440, 39.5080



160.8720, 65.9710, 32.3950



145.2420, -22.7340, -39.5500



127.7130, -107.4630, -40.3510

Sweetspot

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



164.7510, 15.4440, 39.5080



237.3680, 5.3160, 13.7960



151.1640, -28.9800, 18.6040



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.



164.7510, 15.4440, 39.5080



182.7110, 22.0890, 56.7530



164.8480, 30.9880, 33.1320



100.2440, 2.4290, 5.5410



63.4470, 32.7210, 84.3450



15.9650, 8.2490, 21.2170

Inverse Universe

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



160.1740, 44.1490, 20.3810



176.2090, 63.4040, 29.3560



185.1520, -30.9880, -33.1320



99.5170, 5.9140, 2.9540



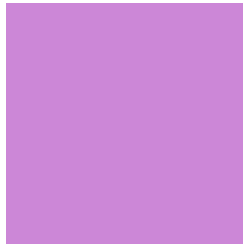
53.7510, 94.5330, 43.4050



13.5410, 23.7020, 10.9820

Previews

White Background



This preview shows how the YIQ color 164.7510, 15.4440, 39.5080 looks on a white background.

Color Contrast Check

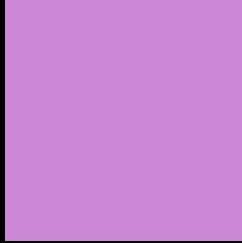
Large Text (above 18pt) WCAG AA × Fail

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 164.7510, 15.4440, 39.5080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

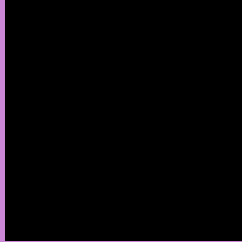
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 164.7510, 15.4440, 39.5080

Background



This preview shows how black text looks on a background with the YIQ color 164.7510, 15.4440, 39.5080.



This preview shows how white text looks on a background with the YIQ color 164.7510, 15.4440,

39.5080.

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

164.7510, 15.4440, 39.5080

Protanopia

159.9720, -37.1870, 18.6610

Deuteranopia

161.0520, -22.9730, 14.3630



Tritanopia

162.9050, 25.6730, 13.8090

Trichromacy



Original Color

164.7510, 15.4440, 39.5080



Protanomaly

161.9530, -17.8400, 25.9680



Deuteranomaly

162.4500, -9.1740, 23.0980



Tritanomaly

163.8480, 21.8200, 23.0680

Monochromacy



Original Color

164.7510, 15.4440, 39.5080



Achromatopsia

165.0000, -0.0000, -0.0000



Achromatomaly

164.7810, 5.5910, 14.3190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 164.7510, 15.4440, 39.5080 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(204, 135, 215)` looks like.

```
.text, #text, p{  
    color:rgb(204, 135, 215)  
}
```

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(204, 135, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 135, 215) }
```

Border

The CSS property to change the border of an element to YIQ 164.7510, 15.4440, 39.5080 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(204, 135, 215) }
```


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

```
.border{ border-color:rgb(204, 135, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 135, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 135, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 135, 215);  
box-shadow:4px 4px 4px 4px rgb(204, 135,  
215) }
```

Background

The CSS property to change the background color of an element to YIQ 164.7510, 15.4440, 39.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 135, 215) }
```

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

```
.background{ background-color: rgb(204,  
135, 215) }
```

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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