

Converting Colors

YIQ(199.4240, 12.0510, 40.4270)

Have a look what the booklet for
YIQ(199.4240, 12.0510, 40.4270)
contains.

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Color

**YIQ(199.4240, 12.0510,
40.4270)**

Conversions

Conversions Part 1

Format	Color
Hex	ECAAFF
RGB	236, 170, 255
RGB Percent	93%, 67%, 100%
CMY	0.0743, 0.3334, 0.0000
CMYK	0.07, 0.33, 0.00, 0.00
HSL	287°, 100%, 83%
HSV	287°, 33%, 100%
XYZ	67.0287, 53.8009, 101.4557
YIQ	199.4240, 12.0510, 40.4270

Conversions

Conversions Part 2

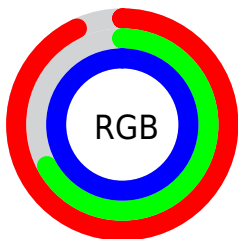
Format	Color
R _Y B	236, 170, 255
Decimal	15510271
CIE Lab	78.35, 38.39, -32.68
CIE LCh	78, 50.417, 319.594
Yxy	53.8009, 0.3015, 0.2420
Android (android.graphics.Color)	4293700351 (0xFFECAAFF)
YUV	199.4240, 27.3990, 32.0772
Hunter-Lab	73.3491, 34.7580, -30.6650

Details

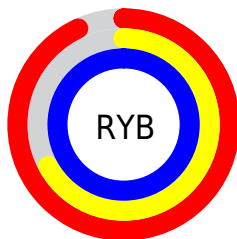
The YIQ color $199.4240, 12.0510, 40.4270$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $225.5760, -12.0510, -40.4270$, and the grayscale version is $199.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $237.9770, 7.9750, 15.1670$, and $144.7720, 10.9510, 38.3350$ is the 20% darker color. If you saturate the color by 10%, you get $182.3680, 15.6250, 52.7530$, and if you desaturate by 10%, it is $215.8930, 8.7520, 28.6240$.

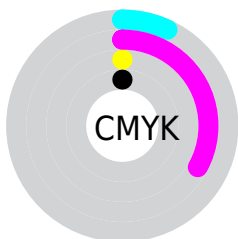
Distribution



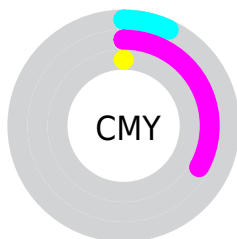
- Red (93%)
- Green (67%)
- Blue (100%)



- Red (93%)
- Yellow (67%)
- Blue (100%)



- Cyan (7%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 199.4240, 12.0510, 40.4270 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 199.4240, 12.0510, 40.4270 by changing the saturation by 10% instead.

 199.4240, 12.0510,
40.4270


 199.4240, 12.0510,
40.4270


255.0000, -0.0000,
-0.0000


 171.5980, 11.5010,
39.3810


 237.9770, 7.9750,
15.1670

 144.7720, 10.9510,
38.3350

 118.3590, 10.6760,
37.8120

 92.5330, 10.1260,
36.7660

 67.7070, 9.5760,
35.7200

 41.8210, 9.2550,
36.0310

 22.2180, 6.4590,

31.6350

■ 13.6160, 1.9220,
20.2420

■ 3.3230, -7.9790,
6.9410

■ 199.4240, 12.0510,
40.4270

■ 199.4240, 12.0510,
40.4270

■ 182.3680, 15.6250,
52.7530

■ 215.8930, 8.7520,
28.6240

■ 166.1980, 19.5200,
64.7680

■ 232.6500, 4.5820,
16.0860

■ 149.1420, 23.0940,
77.0940

■ 249.1190, 1.2830,
4.2830

■ 132.6730, 26.3930,
88.8970

■ 255.0000, -0.0000,
-0.0000

■ 115.9160, 30.5630,
101.4350

■ 99.4470, 33.8620,
113.2380

■ 88.2720, 36.1530,
121.2810

Harmonies

Analogous

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



191.1530, -30.4470, 17.6570



199.4240, 12.0510, 40.4270



192.5720, 40.7530, 37.8810

Triad

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



199.4240, 12.0510, 40.4270



190.8580, 58.2770, -15.4110



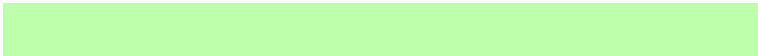
153.5020, -131.8540, -44.3500

Complementary

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



199.4240, 12.0510, 40.4270



225.5760, -12.0510, -40.4270

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.



166.1660, -78.3020, -45.7100



199.4240, 12.0510, 40.4270



187.1370, 26.0940, -32.3860

Square

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



199.4240, 12.0510, 40.4270



189.5840, 65.7010, 4.2370



180.0530, -17.8280, -40.3560



154.6880, -140.7050, -32.6170

Rectangle

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



199.4240, 12.0510, 40.4270



187.7500, 51.5750, 28.9750



180.0530, -17.8280, -40.3560



151.6780, -126.7180, -49.3260

Sweetspot

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



199.4240, 12.0510, 40.4270



238.5310, 3.2990, 11.8030



191.4300, -32.7850, 15.9750



117.4120, 2.0160, 7.5200



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.



199.4240, 12.0510, 40.4270



188.2490, 14.3420, 48.4700



202.4830, 30.7580, 37.3020



119.4720, 1.7870, 6.1630



66.3250, 27.4930, 90.9890



22.2460, 9.2560, 30.5040

Inverse Universe

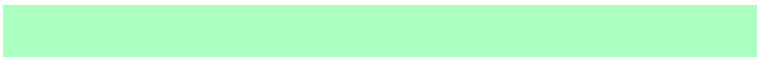
The Inverse Universe completely reimagines the original color for something new.



197.5810, 44.5610, 23.9290



186.1200, 53.4090, 28.7770



222.5170, -30.7580, -37.3020



119.2290, 6.7850, 3.6890



62.0110, 100.0330, 53.8650



20.7320, 33.6500, 17.9220

Previews

White Background



This preview shows how the YIQ color 199.4240, 12.0510, 40.4270 looks on a white background.

Color Contrast Check

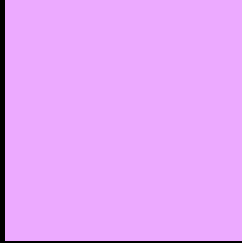
Large Text (above 18pt) WCAG AA × Fail

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 199.4240, 12.0510, 40.4270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

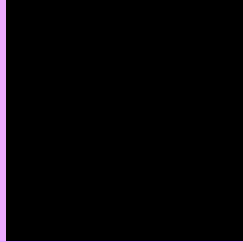
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 199.4240, 12.0510, 40.4270

Background



This preview shows how black text looks on a background with the YIQ color 199.4240, 12.0510, 40.4270.



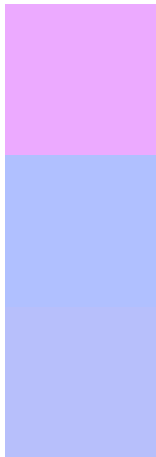
This preview shows how white text looks on a background with the YIQ color 199.4240, 12.0510,

40.4270.

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

199.4240, 12.0510, 40.4270

Protanopia

194.3980, -29.7590, 16.2010

Deuteranopia

195.4480, -24.0280, 16.9640



Tritanopia

197.0510, 22.3260, 13.8940

Trichromacy



Original Color

199.4240, 12.0510, 40.4270



Protanomaly

196.2800, -14.4470, 25.0490



Deuteranomaly

196.5470, -10.8250, 25.4870

Tritanomaly

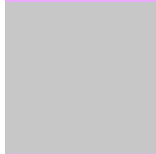
197.9940, 18.4730, 23.1530

Monochromacy



Original Color

199.4240, 12.0510, 40.4270



Achromatopsia

199.0000, -0.0000, 0.0000



Achromatomaly

198.7100, 4.3530, 14.7290

CSS Examples

Text

The CSS property to change the color of the text to YIQ 199.4240, 12.0510, 40.4270 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(236, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 170, 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(236, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 170, 255) }
```

Border

The CSS property to change the border of an element to YIQ 199.4240, 12.0510, 40.4270 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(236, 170, 255) }
```


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

```
.border{ border-color:rgb(236, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 170,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 199.4240, 12.0510, 40.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 170, 255) }
```

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

```
.background{ background-color: rgb(236,  
170, 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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