

Converting Colors

YIQ(121.7640, 24.8790, 94.3110)

Have a look what the booklet for
YIQ(121.7640, 24.8790, 94.3110)
contains.

YIQ(121.7640, 24.8790, 94.3110)	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(121.7640, 24.8790,
94.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	CC36FF
RGB	204, 54, 255
RGB Percent	80%, 21%, 100%
CMY	0.1995, 0.7885, 0.0001
CMYK	0.20, 0.79, 0.00, 0.00
HSL	285°, 100%, 61%
HSV	285°, 79%, 100%
XYZ	44.2995, 22.7063, 96.6434
YIQ	121.7640, 24.8790, 94.3110

Conversions

Conversions Part 2

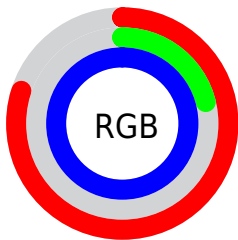
Format	Color
R _Y B	204, 54, 255
Decimal	13383423
CIE _{Lab}	54.77, 82.63, -70.19
CIE _{LCh}	55, 108.417, 319.653
Yxy	22.7063, 0.2707, 0.1388
Android (android.graphics.Color)	4291573503 (0xFFCC36FF)
YUV	121.7640, 65.6853, 72.1210
Hunter-Lab	47.6512, 82.5551, -86.8928

Details

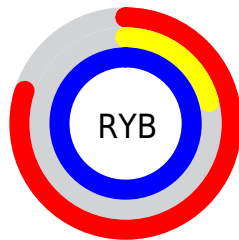
The YIQ color **121.7640, 24.8790, 94.3110** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **187.2360, -24.8790, -94.3110**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.5810, 37.6750, 71.6510**, and **65.5140, 22.5870, 91.7950** is the 20% darker color. If you saturate the color by 10%, you get **104.7080, 28.4530, 106.6370**, and if you desaturate by 10%, it is **138.5320, 22.1760, 82.7200**.

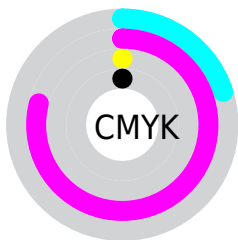
Distribution



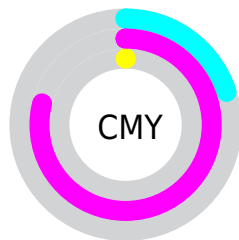
- Red (80%)
- Green (21%)
- Blue (100%)



- Red (80%)
- Yellow (21%)
- Blue (100%)



- Cyan (20%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 121.7640, 24.8790, 94.3110 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 121.7640, 24.8790, 94.3110 by changing the saturation by 10% instead.


 121.7640, 24.8790,
94.3110


 121.7640, 24.8790,
94.3110


255.0000, -0.0000,
-0.0000


 77.7900, 31.1580,
107.1740


 174.5810, 37.6750,
71.6510


 65.5140, 22.5870,
91.7950


 191.6040, 29.7000,
56.4840


 53.6510, 14.2910,
76.9390


 209.2140, 21.4500,
40.7940

 41.6030, 5.0780,
62.1820

 226.8240, 13.2000,
25.1040

 29.2560, -4.7310,
47.2130

 244.4340, 4.9500,
9.4140

 15.3430, -18.7580,
31.5940

 7.4100, -20.8650,

20.2150

■ 6.5490, -14.3070,
11.4930

■ 2.8670, -6.6950,
5.6970

■ 121.7640, 24.8790,
94.3110

■ 121.7640, 24.8790,
94.3110

■ 104.7080, 28.4530,
106.6370

■ 138.5320, 22.1760,
82.7200

■ 87.9400, 31.1560,
118.2280

■ 155.5880, 18.6020,
70.3940

■ 85.8800, 31.3850,
119.5850

■ 172.0570, 15.3030,
58.5910

■ 189.4120, 12.3250,
46.4770

■ 205.8810, 9.0260,
34.6740

■ 223.2360, 6.0480,
22.5600

■ 239.7050, 2.7490,
10.7570

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



100.6840, -115.4050, 15.4990



121.7640, 24.8790, 94.3110



95.3970, 98.0520, 106.3080

Triad

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



121.7640, 24.8790, 94.3110



123.7060, 78.9560, -21.2360



119.9170, -107.5570, -27.6290

Complementary

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



121.7640, 24.8790, 94.3110



187.2360, -24.8790, -94.3110

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.



107.5710, -75.5490, -57.0610



121.7640, 24.8790, 94.3110



115.0150, 19.7250, -54.6350

Square

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



121.7640, 24.8790, 94.3110



106.1490, 133.5540, 24.5460



93.3330, -43.7250, -83.1570



126.5120, -127.5050, -7.5130

Rectangle

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



121.7640, 24.8790, 94.3110



88.3290, 117.9540, 87.0260



93.3330, -43.7250, -83.1570



116.2690, -97.2850, -37.5810

Sweetspot

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



121.7640, 24.8790, 94.3110



214.7080, 7.8350, 28.7230



108.6120, -79.3710, 34.2690



103.2910, 4.2150, 17.2310



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.



121.7640, 24.8790, 94.3110



94.7070, 30.1940, 113.6340



131.6550, 70.3620, 90.5060



119.1730, 1.1910, 5.9510



64.5310, 23.9170, 89.7170



21.6480, 8.0640, 30.0800

Inverse Universe

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



119.9130, 103.4250, 58.4730



92.3120, 124.6510, 70.2750



177.3450, -70.3620, -90.5060



119.2290, 6.7850, 3.6890



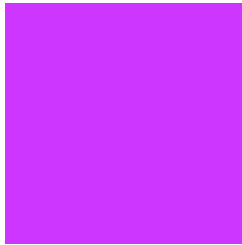
62.5810, 98.4280, 55.4200



20.9600, 33.0080, 18.5440

Previews

White Background



This preview shows how the YIQ color 121.7640, 24.8790, 94.3110 looks on a white background.

Color Contrast Check

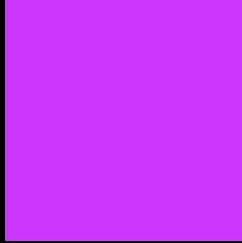
Large Text (above 18pt) WCAG AA ✓ Pass

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 121.7640, 24.8790, 94.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

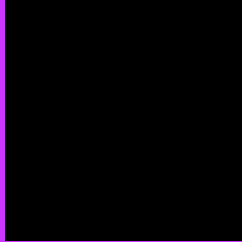
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 121.7640, 24.8790, 94.3110

Background



This preview shows how black text looks on a background with the YIQ color 121.7640, 24.8790, 94.3110.



This preview shows how white text looks on a background with the YIQ color 121.7640, 24.8790,

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

121.7640, 24.8790, 94.3110

Protanopia

118.8680, -86.3840, 23.6960

Deuteranopia

105.5620, -112.6060, 3.3140



Tritanopia

132.3370, 42.1320, 18.3880

Trichromacy



Original Color

121.7640, 24.8790, 94.3110



Protanomaly

119.7630, -45.5830, 49.6890



Deuteranomaly

111.4630, -62.7740, 36.3460



Tritanomaly

128.3900, 35.7540, 45.8820

Monochromacy



Original Color

121.7640, 24.8790, 94.3110



Achromatopsia

122.0000, 0.0000, -0.0000



Achromatomaly

121.7670, 9.3470, 34.3630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 121.7640, 24.8790, 94.3110 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, 54, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 54, 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(204, 54, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 54, 255) }
```

Border

The CSS property to change the border of an element to YIQ 121.7640, 24.8790, 94.3110 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, 54, 255) }
```


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

```
.border{ border-color:rgb(204, 54, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 54, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 54, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 54, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 54,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 121.7640, 24.8790, 94.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 54, 255) }
```

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

```
.background{ background-color: rgb(204, 54,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor