

# Converting Colors

YIQ(120.4430, 47.7120, 93.5040)

Have a look what the booklet for  
YIQ(120.4430, 47.7120, 93.5040)  
contains.

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# Color

**YIQ(120.4430, 47.7120,  
93.5040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E02FE3
RGB	224, 47, 227
RGB Percent	88%, 18%, 89%
CMY	0.1210, 0.8159, 0.1098
CMYK	0.01, 0.79, 0.00, 0.11
HSL	299°, 76%, 54%
HSV	299°, 79%, 89%
XYZ	45.6631, 23.4429, 74.8005
YIQ	120.4430, 47.7120, 93.5040

# Conversions

## Conversions Part 2

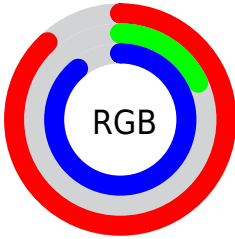
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	224, 47, 227
Decimal	14692323
CIE <sub>Lab</sub>	55.53, 83.30, -53.15
CIE <sub>LCh</sub>	56, 98.816, 327.459
Yxy	23.4429, 0.3173, 0.1629
Android (android.graphics.Color)	4292882403 (0xFFE02FE3)
YUV	120.4430, 52.5326, 90.8195
Hunter-Lab	48.4179, 83.6127, -57.7042

# Details

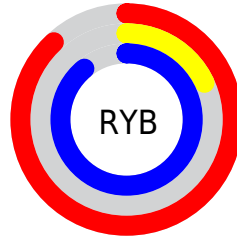
The YIQ color **120.4430, 47.7120, 93.5040** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **153.5570, -47.7120, -93.5040**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **172.8200, 38.5000, 73.2200**, and **68.5300, 42.8530, 87.9490** is the 20% darker color. If you saturate the color by 10%, you get **106.9420, 54.0370, 105.5330**, and if you desaturate by 10%, it is **134.2430, 41.9830, 81.6870**.

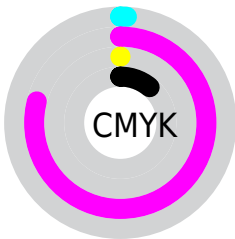
# Distribution



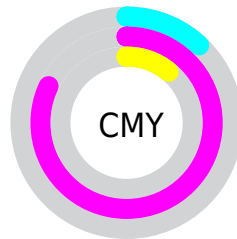
- Red (88%)
- Green (18%)
- Blue (89%)



- Red (88%)
- Yellow (18%)
- Blue (89%)



- Cyan (1%)
- Magenta (79%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (82%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.4430, 47.7120, 93.5040 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 120.4430, 47.7120, 93.5040 by changing the saturation by 10% instead.





 120.4430, 47.7120,  
93.5040


 120.4430, 47.7120,  
93.5040


255.0000, -0.0000,  
-0.0000


 80.6920, 51.7450,  
103.0170


 172.8200, 38.5000,  
73.2200

 68.5300, 42.8530,  
87.9490


 190.4300, 30.2500,  
57.5300


 56.7810, 34.2360,  
73.4040


 208.0400, 22.0000,  
41.8400

 45.0320, 25.6190,  
58.8590

 225.6500, 13.7500,  
26.1500

 33.8100, 16.9560,  
45.1480

 243.2600, 5.5000,  
10.4600

 22.7020, 7.9720,  
31.7480

 9.5010, -5.1840,

16.8640

■ 3.0950, -7.3370,  
6.3190

■ 0.0000, 0.0000,  
0.0000

■ 120.4430, 47.7120,  
93.5040

■ 120.4430, 47.7120,  
93.5040

■ 106.9420, 54.0370,  
105.5330

■ 134.2430, 41.9830,  
81.6870

■ 93.7290, 59.4910,  
116.8270

■ 147.1570, 35.9330,  
70.1810

■ 92.5550, 60.0410,  
117.8730

■ 160.6580, 29.6080,  
58.1520

■ 174.4580, 23.8790,  
46.3350

■ 187.3720, 17.8290,  
34.8290

■ 200.8730, 11.5040,  
22.8000

■ 214.6730, 5.7750,  
10.9830

■ 228.1740, -0.5500,  
-1.0460

■ 241.0880, -6.6000,  
-12.5520

# Harmonies

## Analogous

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



121.1150, -61.6740, 38.4380



120.4430, 47.7120, 93.5040



92.6610, 105.7560, 98.8440

# Triad

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



120.4430, 47.7120, 93.5040



125.3680, 64.9280, -31.3280



122.0830, -113.6560, -21.7200

# Complementary

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



120.4430, 47.7120, 93.5040



153.5570, -47.7120, -93.5040

# 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.



111.4640, -85.1330, -48.5650



120.4430, 47.7120, 93.5040



112.5680, 7.6220, -61.0660

# Square

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



120.4430, 47.7120, 93.5040



119.5510, 114.0260, 3.9940



96.6730, -50.3740, -78.2940



124.7510, -126.6800, -5.9440



# Rectangle

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



120.4430, 47.7120, 93.5040



86.2770, 123.7320, 81.4280



96.6730, -50.3740, -78.2940



118.8910, -104.6680, -30.4280

# Sweetspot

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



120.4430, 47.7120, 93.5040



218.8940, 16.1790, 31.6910



69.2810, -58.6050, 54.4110



105.9820, 9.5790, 19.1390



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.



120.4430, 47.7120, 93.5040



111.7500, 64.1660, 125.7180



111.4220, 77.4270, 67.0830



107.9560, 3.3000, 6.2760



73.0300, 47.4370, 92.9810



20.7640, 13.4290, 26.4610



# Inverse Universe

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



101.1620, 106.3170, 39.0930



85.8140, 142.9480, 52.5480



162.5780, -77.4270, -67.0830



106.5880, 7.1520, 2.5440



53.8630, 105.7210, 38.8810



15.3630, 30.0750, 11.1230



# Previews

## White Background



This preview shows how the YIQ color 120.4430, 47.7120, 93.5040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

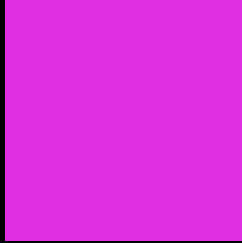
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.4430, 47.7120, 93.5040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

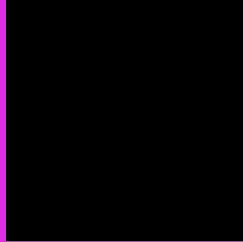
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.4430, 47.7120, 93.5040

## Background



This preview shows how black text looks on a background with the YIQ color 120.4430, 47.7120, 93.5040.



This preview shows how white text looks on a background with the YIQ color 120.4430, 47.7120,



# 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

120.4430, 47.7120, 93.5040

### Protanopia

122.7330, -81.5700, 24.5580

### Deuteranopia

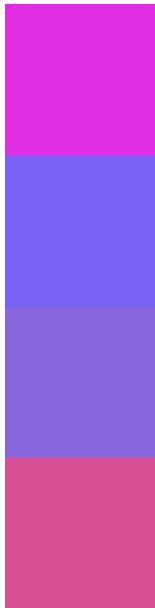
128.5830, -55.2050, 14.8030



## Tritanopia

131.5850, 65.1010, 26.1330

# Trichromacy



## Original Color

120.4430, 47.7120, 93.5040

## Protanomaly

121.9230, -34.3500, 49.8580

## Deuteranomaly

125.5040, -17.2930, 43.5950

## Tritanomaly

127.6440, 58.5860, 50.6020

# Monochromacy



## Original Color

120.4430, 47.7120, 93.5040

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

119.9590, 17.5540, 34.3060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.4430, 47.7120, 93.5040 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(224, 47, 227)` looks like.

```
.text, #text, p{  
    color:rgb(224, 47, 227)  
}
```

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(224, 47, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 47, 227) }
```

## Border

The CSS property to change the border of an element to YIQ 120.4430, 47.7120, 93.5040 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(224, 47, 227) }
```



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

```
.border{ border-color:rgb(224, 47, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 47, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 47, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 47, 227);  
box-shadow:4px 4px 4px 4px rgb(224, 47,  
227) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.4430, 47.7120, 93.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 47, 227) }
```

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

```
.background{ background-color: rgb(224, 47,  
227) }
```

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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