

# Converting Colors

YIQ(77.1920, 55.1880, 79.1560)

Have a look what the booklet for  
YIQ(77.1920, 55.1880, 79.1560)  
contains.

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# Color

**YIQ(77.1920, 55.1880,  
79.1560)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B30B97
RGB	179, 11, 151
RGB Percent	70%, 4%, 59%
CMY	0.2975, 0.9570, 0.4077
CMYK	0.00, 0.94, 0.16, 0.30
HSL	310°, 88%, 37%
HSV	310°, 94%, 70%
XYZ	24.3262, 12.0715, 30.3381
YIQ	77.1920, 55.1880, 79.1560

# Conversions

## Conversions Part 2

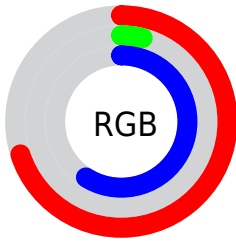
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 11, 151
Decimal	11733911
CIE <sub>Lab</sub>	41.33, 70.34, -31.78
CIE <sub>LCh</sub>	41, 77.192, 335.684
Yxy	12.0715, 0.3645, 0.1809
Android (android.graphics.Color)	4289923991 (0xFFB30B97)
YUV	77.1920, 36.3873, 89.2856
Hunter-Lab	34.7441, 64.1752, -27.4503

# Details

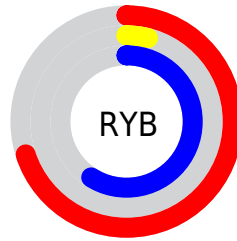
The YIQ color **77.1920, 55.1880, 79.1560** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **112.8080, -55.1880, -79.1560**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.3020, 51.5220, 68.4980**, and **47.5790, 40.0160, 56.7520** is the 20% darker color. If you saturate the color by 10%, you get **70.5070, 58.8550, 84.2870**, and if you desaturate by 10%, it is **88.1000, 49.2750, 70.6750**.

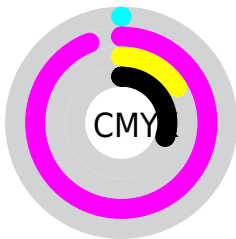
# Distribution



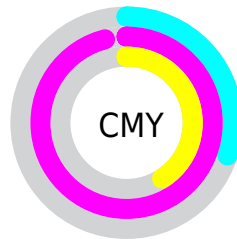
- Red (70%)
- Green (4%)
- Blue (59%)



- Red (70%)
- Yellow (4%)
- Blue (59%)



- Cyan (0%)
- Magenta (94%)
- Yellow (16%)
- Black (30%)



- Cyan (30%)
- Magenta (96%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.1920, 55.1880, 79.1560 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 77.1920, 55.1880, 79.1560 by changing the saturation by 10% instead.



■ 77.1920, 55.1880,  
79.1560

■ 77.1920, 55.1880,  
79.1560

■ 255.0000, -0.0000,  
-0.0000

■ 59.1000, 49.2750,  
70.6750

■ 146.6010, 52.1180,  
68.7100

■ 47.8780, 40.6120,  
56.9640

■ 171.6000, 44.6910,  
65.6430

■ 36.3570, 31.3530,  
43.0410

■ 191.0170, 29.9750,  
57.0070

■ 26.2600, 23.8360,  
30.5880

■ 208.0400, 22.0000,  
41.8400

■ 15.0810, 13.6140,  
17.5980

■ 225.0630, 14.0250,  
26.6730

■ 0.0000, 0.0000,  
0.0000

■ 242.6730, 5.7750,

10.9830

■ 77.1920, 55.1880,  
79.1560

■ 77.1920, 55.1880,  
79.1560

■ 70.5070, 58.8550,  
84.2870

■ 88.1000, 49.2750,  
70.6750

■ 99.0080, 43.3620,  
62.1940

■ 109.9160, 37.4490,  
53.7130

■ 120.8240, 31.5360,  
45.2320

■ 131.7320, 25.6230,  
36.7510

■ 142.0530, 19.9850,  
28.7930

■ 152.9610, 14.0720,  
20.3120

■ 163.8690, 8.1590,  
11.8310

■ 174.7770, 2.2460,  
3.3500

# Harmonies

## Analogous

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



97.5730, -21.7410, 47.1150



77.1920, 55.1880, 79.1560



70.8430, 92.4190, 70.7150

# Triad

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



77.1920, 55.1880, 79.1560



90.7040, 37.7390, -28.6690



91.6950, -88.7160, -11.1480

# Complementary

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



77.1920, 55.1880, 79.1560



112.8080, -55.1880, -79.1560

# 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.



84.5130, -68.4930, -30.7410



77.1920, 55.1880, 79.1560



75.8990, -12.0030, -52.3150

# Square

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



77.1920, 55.1880, 79.1560



90.3920, 74.6890, -4.4710



75.0000, -45.8400, -50.3200



93.7760, -101.4650, 5.1510



# Rectangle

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



77.1920, 55.1880, 79.1560



65.2720, 103.7920, 57.3280



75.0000, -45.8400, -50.3200



89.4150, -82.2960, -17.3680

# Sweetspot

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



77.1920, 55.1880, 79.1560



192.5910, 21.4060, 30.5740



38.5240, -37.2400, 58.1840



92.8360, 12.9260, 19.0540



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1920, 55.1880, 79.1560



91.3700, 76.3190, 109.2070



67.6160, 82.1520, 53.0320



83.6030, 2.7960, 4.3960



60.2250, 50.4210, 71.9330



10.1680, 8.7550, 12.0430



# Inverse Universe

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



77.1920, 55.1880, 79.1560



91.3700, 76.3190, 109.2070



122.3840, -82.1520, -53.0320



83.6030, 2.7960, 4.3960



60.2250, 50.4210, 71.9330



10.1680, 8.7550, 12.0430



# Previews

## White Background



This preview shows how the YIQ color 77.1920, 55.1880, 79.1560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

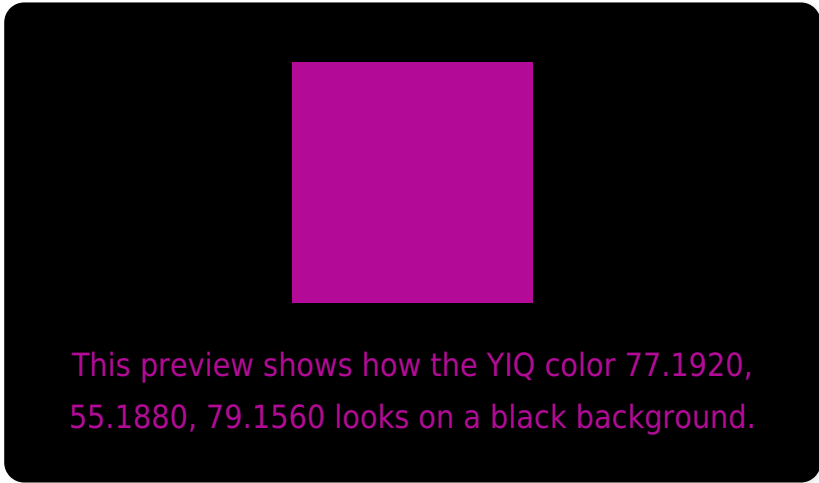
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

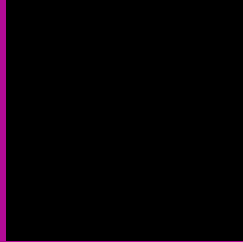
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 77.1920, 55.1880, 79.1560

## Background



This preview shows how black text looks on a background with the YIQ color 77.1920, 55.1880, 79.1560.



This preview shows how white text looks on a background with the YIQ color 77.1920, 55.1880,



# 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

77.1920, 55.1880, 79.1560

### Protanopia

79.6080, -91.8840, 13.2360

### Deuteranopia

98.5310, -23.0640, 10.5040



## Tritanopia

93.5310, 65.1930, 24.4650

# Trichromacy



## Original Color

77.1920, 55.1880, 79.1560



## Protanomaly

78.6800, -38.5200, 37.3200



## Deuteranomaly

90.5540, 5.6330, 35.5930



## Tritanomaly

87.5100, 61.6590, 44.4670

# Monochromacy



## Original Color

77.1920, 55.1880, 79.1560



## Achromatopsia

77.0000, -0.0000, -0.0000



## Achromatomaly

77.0530, 19.9850, 28.7930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.1920, 55.1880, 79.1560 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(179, 11, 151)` looks like.

```
.text, #text, p{  
    color:rgb(179, 11, 151)  
}
```

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(179, 11, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 11, 151) }
```

## Border

The CSS property to change the border of an element to YIQ 77.1920, 55.1880, 79.1560 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(179, 11, 151) }
```



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

```
.border{ border-color:rgb(179, 11, 151) }
```

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

Here you see how a box with a 4 pixel rgb(179, 11, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 11, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 11, 151);  
box-shadow:4px 4px 4px 4px rgb(179, 11,  
151) }
```

# Background

The CSS property to change the background color of an element to YIQ 77.1920, 55.1880, 79.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 11, 151) }
```

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

```
.background{ background-color: rgb(179, 11,  
151) }
```

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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