

# Converting Colors

YIQ(122.7290, 10.2280,  
-20.1720)

Have a look what the booklet for  
YIQ(122.7290, 10.2280, -20.1720)  
contains.

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# Color

**YIQ(122.7290, 10.2280,  
-20.1720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78854D
RGB	120, 133, 77
RGB Percent	47%, 52%, 30%
CMY	0.5295, 0.4784, 0.6979
CMYK	0.10, 0.00, 0.42, 0.48
HSL	74°, 27%, 41%
HSV	74°, 42%, 52%
XYZ	17.4720, 21.3045, 10.2165
YIQ	122.7290, 10.2280, -20.1720

# Conversions

## Conversions Part 2

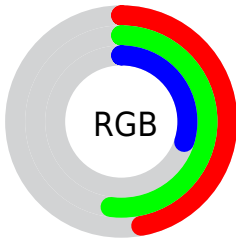
Format	Color
<a href="#">RYB</a>	<a href="#">77, 133, 90</a>
Decimal	<a href="#">7898445</a>
CIELab	<a href="#">53.28, -14.33, 28.57</a>
CIELCh	<a href="#">53, 31.961, 116.637</a>
Yxy	<a href="#">21.3045, 0.3566, 0.4348</a>
Android (android.graphics.Color)	<a href="#">4286088525 (0xFF78854D)</a>
YUV	<a href="#">122.7290, -22.5444, -2.3933</a>
Hunter-Lab	<a href="#">46.1568, -13.2059, 19.1864</a>

# Details

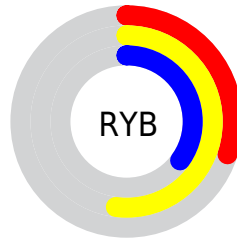
The YIQ color  $122.7290, 10.2280, -20.1720$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $87.2710, -10.2280, 20.1720$ , and the grayscale version is  $123.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $175.3870, 11.1910, -21.1050$ , and  $73.1850, 8.9440, -18.9280$  is the 20% darker color. If you saturate the color by 10%, you get  $120.3500, 12.6130, -24.8510$ , and if you desaturate by 10%, it is  $125.1080, 7.8430, -15.4930$ .

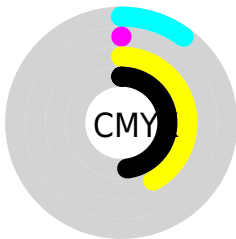
# Distribution



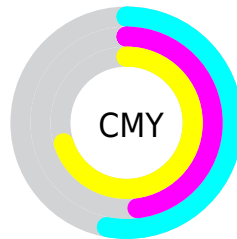
- Red (47%)
- Green (52%)
- Blue (30%)



- Red (30%)
- Yellow (52%)
- Blue (35%)



- Cyan (10%)
- Magenta (0%)
- Yellow (42%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.7290, 10.2280, -20.1720 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 122.7290, 10.2280, -20.1720 by changing the saturation by 10% instead.



122.7290, 10.2280,  
-20.1720

122.7290, 10.2280,  
-20.1720

255.0000, -0.0000,  
-0.0000

97.8430, 9.9070,  
-19.8610

175.3870, 11.1910,  
-21.1050

73.7720, 8.6690,  
-19.4510

203.1590, 11.8330,  
-21.7270

50.0710, 9.2650,  
-19.2390

231.0450, 12.1540,  
-22.0380

30.3680, 4.1750,  
-15.0970

249.6420, 15.0870,  
-14.6170

11.7400, -5.5000,  
-10.4600

252.8340, 6.0990,  
-5.9090

0.0000, 0.0000,  
0.0000

■ 122.7290, 10.2280,  
-20.1720

■ 122.7290, 10.2280,  
-20.1720

■ 120.3500, 12.6130,  
-24.8510

■ 125.1080, 7.8430,  
-15.4930

■ 117.8570, 15.3190,  
-29.8410

■ 127.6010, 5.1370,  
-10.5030

■ 115.4780, 17.7040,  
-34.5200

■ 129.9800, 2.7520,  
-5.8240

■ 113.0990, 20.0890,  
-39.1990

■ 132.3590, 0.3670,  
-1.1450

■ 110.7200, 22.4740,  
-43.8780

■ 134.8520, -2.3390,  
3.8450

■ 108.5690, 24.2170,  
-47.9350

■ 137.5300, -4.1280,  
8.7360

■ 139.9090, -6.5130,  
13.4150

■ 142.2880, -8.8980,

18.0940

■ 144.7810,  
-11.6040, 23.0840

# Harmonies

## Analogous

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



125.8350, 30.7210, -11.6070



122.7290, 10.2280, -20.1720



118.5500, -17.1890, -24.3970

# Triad

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



122.7290, 10.2280, -20.1720



106.8930, -80.6460, -14.2300



130.0790, 34.2910, 22.8270

# Complementary

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



122.7290, 10.2280, -20.1720



87.2710, -10.2280, 20.1720

# 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.



131.2970, 13.2460, 24.2700



122.7290, 10.2280, -20.1720



121.5650, -46.7670, 5.0490

# Square

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



122.7290, 10.2280, -20.1720



99.9810, -87.2460, -26.7820



128.7650, -14.6750, 18.1650



128.4850, 44.4710, 14.5430



# Rectangle

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



122.7290, 10.2280, -20.1720



114.3010, -38.4170, -25.1450



128.7650, -14.6750, 18.1650



130.6100, 28.4220, 24.5660

# Sweetspot

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



122.7290, 10.2280, -20.1720



168.9970, 4.0820, -7.9020



100.7880, 30.0760, 5.5960



84.2080, 2.1100, -5.2020



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



122.7290, 10.2280, -20.1720



156.9880, 16.3280, -31.6080



114.6560, -5.8640, -25.8960



65.0170, 1.3300, -2.0780



106.2100, 23.8500, -46.7900



2.3590, 0.3670, -1.1450



# Inverse Universe

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



87.2710, -10.2280, 20.1720



101.3110, -15.7320, 31.8200



95.3440, 5.8640, 25.8960



60.9830, -1.3300, 2.0780



23.7900, -23.8500, 46.7900



0.6410, -0.3670, 1.1450



# Previews

## White Background



This preview shows how the YIQ color 122.7290, 10.2280, -20.1720 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 122.7290, 10.2280, -20.1720 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 122.7290, 10.2280, -20.1720

## Background



This preview shows how black text looks on a background with the YIQ color 122.7290, 10.2280, -20.1720.



This preview shows how white text looks on a background with the YIQ color 122.7290, 10.2280,



# 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

122.7290, 10.2280, -20.1720

### Protanopia

124.6600, 23.8440, -13.6280

### Deuteranopia

125.8940, 32.2330, -5.9670



## Tritanopia

127.4390, -2.6140, 3.3220

# Trichromacy



## Original Color

122.7290, 10.2280, -20.1720

## Protanomaly

123.8550, 18.8010, -15.8470

## Deuteranomaly

124.5400, 24.3020, -10.9140

## Tritanomaly

125.9090, 1.5140, -5.4140

# Monochromacy



## Original Color

122.7290, 10.2280, -20.1720

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

123.1110, 3.7610, -7.5910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.7290, 10.2280, -20.1720 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(120, 133, 77)` looks like.

```
.text, #text, p{  
    color:rgb(120, 133, 77)  
}
```

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(120, 133, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 133, 77) }
```

## Border

The CSS property to change the border of an element to YIQ 122.7290, 10.2280, -20.1720 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(120, 133, 77) }
```



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

```
.border{ border-color:rgb(120, 133, 77) }
```

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

Here you see how a box with a 4 pixel rgb(120, 133, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 133, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 133, 77);  
box-shadow:4px 4px 4px 4px rgb(120, 133,  
77) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.7290, 10.2280, -20.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 133, 77) }
```

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

```
.background{ background-color: rgb(120,  
133, 77) }
```

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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