

# Converting Colors

YIQ(153.1640, -19.8120,  
28.6680)

Have a look what the booklet for  
YIQ(153.1640, -19.8120, 28.6680)  
contains.

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# Color

**YIQ(153.1640, -19.8120,  
28.6680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	988CE0
RGB	152, 140, 224
RGB Percent	60%, 55%, 88%
CMY	0.4038, 0.4510, 0.1217
CMYK	0.32, 0.37, 0.00, 0.12
HSL	249°, 57%, 71%
HSV	249°, 37%, 88%
XYZ	35.7797, 30.8120, 74.5565
YIQ	153.1640, -19.8120, 28.6680

# Conversions

## Conversions Part 2

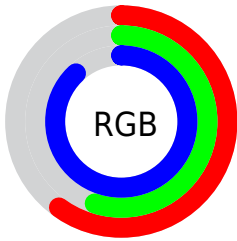
Format	Color
R <sub>Y</sub> B	152, 140, 224
Decimal	9997536
CIE Lab	62.35, 23.31, -41.20
CIE LCh	62, 47.337, 299.507
Yxy	30.8120, 0.2535, 0.2183
Android (android.graphics.Color)	4288187616 (0xFF988CE0)
YUV	153.1640, 34.9221, -1.0208
Hunter-Lab	55.5085, 17.9176, -40.7796

# Details

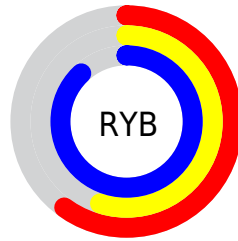
The YIQ color  $153.1640, -19.8120, 28.6680$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $210.8360, 19.8120, -28.6680$ , and the grayscale version is  $153.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $205.1400, -11.2370, 21.9390$ , and  $101.2840, -20.2700, 25.9540$  is the 20% darker color. If you saturate the color by 10%, you get  $134.5690, -25.0860, 36.1460$ , and if you desaturate by 10%, it is  $171.7590, -14.5380, 21.1900$ .

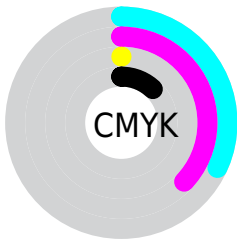
# Distribution



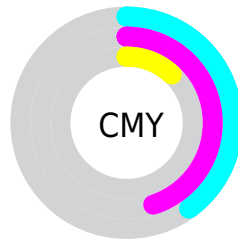
- Red (60%)
- Green (55%)
- Blue (88%)



- Red (60%)
- Yellow (55%)
- Blue (88%)



- Cyan (32%)
- Magenta (37%)
- Yellow (0%)
- Black (12%)



- Cyan (40%)
- Magenta (45%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 153.1640, -19.8120, 28.6680 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 153.1640, -19.8120, 28.6680 by changing the saturation by 10% instead.



■ 153.1640,  
-19.8120, 28.6680

■ 153.1640,  
-19.8120, 28.6680

■ 255.0000, -0.0000,  
-0.0000

■ 126.6370,  
-19.7660, 27.8340

■ 205.1400,  
-11.2370, 21.9390

■ 101.2840,  
-20.2700, 25.9540

■ 230.2470, -1.6530,  
13.4430

■ 76.4580, -20.8200,  
24.9080

■ 252.0650, 1.3750,  
2.6150

■ 52.5070, -22.5160,  
22.6040

■ 27.7620, -27.7880,  
19.0280

■ 7.6380, -21.5070,  
20.8370

■ 6.7770, -14.9490,

12.1150

■ 3.0950, -7.3370,  
6.3190

■ 0.0000, 0.0000,  
0.0000

■ 153.1640,  
-19.8120, 28.6680

■ 153.1640,  
-19.8120, 28.6680

■ 134.5690,  
-25.0860, 36.1460

■ 171.7590,  
-14.5380, 21.1900

■ 115.3870,  
-30.0850, 44.1470

■ 190.9410, -9.5390,  
13.1890

■ 96.4930, -35.9550,  
51.4130

■ 209.8350, -3.6690,  
5.9230

■ 77.3110, -40.9540,  
59.4140

■ 229.0170, 1.3300,  
-2.0780

■ 58.7160, -46.2280,  
66.8920

■ 247.6120, 6.6040,  
-9.5560

■ 40.1210, -51.5020,  
74.3700

■ 251.4660, 9.9510,  
-9.6410

■ 35.1040, -52.8320,  
76.4480

# Harmonies

## Analogous

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



138.2920, -76.6150, 6.3370



153.1640, -19.8120, 28.6680



155.3020, 24.0180, 38.3060

# Triad

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



153.1640, -19.8120, 28.6680



149.5680, 62.6300, -0.6820



117.9500, -95.1290, -43.6170

# Complementary

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



153.1640, -19.8120, 28.6680



210.8360, 19.8120, -28.6680

# 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.



134.3210, -33.1420, -38.1500



153.1640, -19.8120, 28.6680



146.7960, 43.6520, -20.1880

# Square

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



153.1640, -19.8120, 28.6680



150.7930, 67.2110, 20.9310



142.1230, 11.5140, -32.4700



122.1510, -108.3360, -30.0320



# Rectangle

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



153.1640, -19.8120, 28.6680



153.7960, 45.9340, 37.5980



142.1230, 11.5140, -32.4700



115.6530, -90.0390, -47.7590

# Sweetspot

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



153.1640, -19.8120, 28.6680



231.3880, -6.6040, 9.5560



192.4270, -47.0390, -12.0550



113.5360, -4.2650, 5.7110



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.



153.1640, -19.8120, 28.6680



158.1930, -26.7830, 39.3690



165.4230, 4.6240, 37.3600



102.8520, -2.3390, 3.8450



27.5390, -41.5960, 60.0360



7.5650, -11.2360, 16.4120



# Inverse Universe

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



173.3240, 26.9520, 40.2000



185.6710, 36.7610, 55.1690



198.5770, -4.6240, -37.3600



105.4290, 3.3460, 5.4420



69.8380, 56.4250, 84.2730



19.1400, 15.1260, 23.2380



# Previews

## White Background



This preview shows how the YIQ color 153.1640, -19.8120, 28.6680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

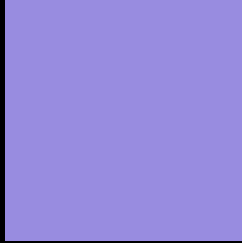
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 153.1640, -19.8120, 28.6680 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 153.1640, -19.8120, 28.6680

## Background



This preview shows how black text looks on a background with the YIQ color 153.1640, -19.8120, 28.6680.



This preview shows how white text looks on a background with the YIQ color 153.1640, -19.8120,



# 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

153.1640, -19.8120, 28.6680

### Protanopia

149.3890, -42.7350, 20.0890

### Deuteranopia

149.2380, -40.9920, 16.0320



## Tritanopia

149.7800, -11.0040, 1.1880

# Trichromacy



## Original Color

153.1640, -19.8120, 28.6680

## Protanomaly

150.5750, -34.3910, 23.0570

## Deuteranomaly

150.5920, -33.0610, 20.9790

## Tritanomaly

151.1360, -14.5820, 10.9700

# Monochromacy



## Original Color

153.1640, -19.8120, 28.6680

## Achromatopsia

153.0000, 0.0000, -0.0000

## Achromatomaly

153.0290, -6.9710, 10.7010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 153.1640, -19.8120, 28.6680 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(152, 140, 224)` looks like.

```
.text, #text, p{  
    color:rgb(152, 140, 224)  
}
```

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(152, 140, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 140, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 153.1640, -19.8120, 28.6680 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(152, 140, 224) }
```



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

```
.border{ border-color:rgb(152, 140, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 140, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 140, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 140, 224);  
box-shadow:4px 4px 4px 4px rgb(152, 140,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 153.1640, -19.8120, 28.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 140, 224) }
```

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

```
.background{ background-color: rgb(152,  
140, 224) }
```

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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