

# Converting Colors

YIQ(132.9190, -19.3590,  
59.0170)

Have a look what the booklet for  
YIQ(132.9190, -19.3590, 59.0170)  
contains.

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# Color

**YIQ(132.9190, -19.3590,  
59.0170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9764FF
RGB	151, 100, 255
RGB Percent	59%, 39%, 100%
CMY	0.4076, 0.6079, 0.0002
CMYK	0.41, 0.61, 0.00, 0.00
HSL	260°, 100%, 70%
HSV	260°, 61%, 100%
XYZ	35.3699, 22.9117, 97.1236
YIQ	132.9190, -19.3590, 59.0170

# Conversions

## Conversions Part 2

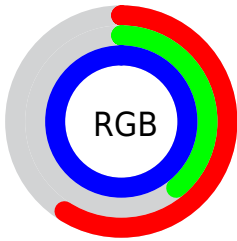
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 100, 255
Decimal	9921791
CIE <sub>Lab</sub>	54.98, 53.69, -70.14
CIE <sub>LCh</sub>	55, 88.330, 307.430
Y <sub>xy</sub>	22.9117, 0.2276, 0.1474
Android (android.graphics.Color)	4288111871 (0xFF9764FF)
YUV	132.9190, 60.1859, 15.8570
Hunter-Lab	47.8662, 48.1337, -86.7969

# Details

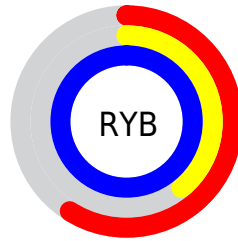
The YIQ color **132.9190, -19.3590, 59.0170** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **222.0810, 19.3590, -59.0170**, and the grayscale version is **132.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **181.6710, 1.2300, 43.8060**, and **78.4300, -22.4760, 54.9320** is the 20% darker color. If you saturate the color by 10%, you get **112.5740, -22.3410, 69.0110**, and if you desaturate by 10%, it is **152.6770, -16.1020, 49.5460**.

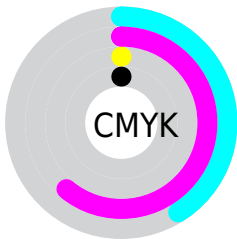
# Distribution



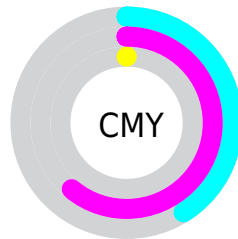
- Red (59%)
- Green (39%)
- Blue (100%)



- Red (59%)
- Yellow (39%)
- Blue (100%)



- Cyan (41%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (61%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 132.9190, -19.3590, 59.0170 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 132.9190, -19.3590, 59.0170 by changing the saturation by 10% instead.



■ 132.9190,  
-19.3590, 59.0170

■ 132.9190,  
-19.3590, 59.0170

■ 255.0000, -0.0000,  
-0.0000

■ 105.3810,  
-20.7800, 57.2360

■ 181.9700, 1.8260,  
44.0180

■ 78.4300, -22.4760,  
54.9320

■ 206.7890, 12.2810,  
36.2570

■ 50.4080, -25.4100,  
53.0380

■ 227.4110, 12.9250,  
24.5810

■ 20.3740, -37.2380,  
47.1300

■ 244.4340, 4.9500,  
9.4140

■ 13.1100, -36.9150,  
35.7650

■ 10.2600, -28.8900,  
27.9900

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,  
11.4930

■ 2.8670, -6.6950,  
5.6970

■ 132.9190,  
-19.3590, 59.0170

■ 132.9190,  
-19.3590, 59.0170

■ 112.5740,  
-22.3410, 69.0110

■ 152.6770,  
-16.1020, 49.5460

■ 92.8160, -25.5980,  
78.4820

■ 173.0220,  
-13.1200, 39.5520

■ 72.4710, -28.5800,  
88.4760

■ 192.7800, -9.8630,  
30.0810

■ 54.1860, -31.7910,  
97.1130

■ 213.1250, -6.8810,  
20.0870

■ 233.1820, -3.0280,  
10.8280

■ 253.5270, -0.0460,  
0.8340

■ 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.



108.9020, -119.2550, 8.1770



132.9190, -19.3590, 59.0170



115.9210, 66.5570, 87.8770

# Triad

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



132.9190, -19.3590, 59.0170



122.9300, 93.3050, -11.4550



112.6670, -92.6540, -38.9100

# Complementary

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



132.9190, -19.3590, 59.0170



222.0810, 19.3590, -59.0170

# 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.



101.6720, -65.8280, -62.5320



132.9190, -19.3590, 59.0170



122.0020, 48.1030, -40.2890

# Square

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



132.9190, -19.3590, 59.0170



111.6980, 119.2470, 36.0390



104.4730, -11.4040, -68.6840



121.2170, -116.7290, -15.5850



# Rectangle

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



132.9190, -19.3590, 59.0170



92.4330, 106.3980, 98.2220



104.4730, -11.4040, -68.6840



109.1160, -84.0330, -46.4730

# Sweetspot

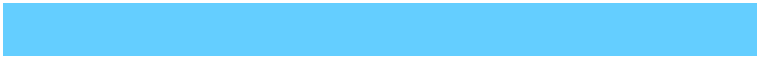
The Sweet Spot groups the original color and five complimentary colors.



132.9190, -19.3590, 59.0170



218.7290, -5.8260, 17.4860



179.8920, -78.9050, -7.2330



105.2960, -3.3490, 11.1390



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.



132.9190, -19.3590, 59.0170



108.4430, -23.3500, 70.7780



155.6430, 25.9370, 75.1290



117.6780, -1.7890, 4.8910



40.6110, -23.7630, 72.7570



13.5750, -8.0280, 24.3560



# Inverse Universe

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



158.2010, 58.9960, 65.2040



138.8640, 70.7310, 78.3070



199.3570, -25.9370, -75.1290



119.7990, 5.1800, 5.2440



71.7010, 72.7480, 80.3000

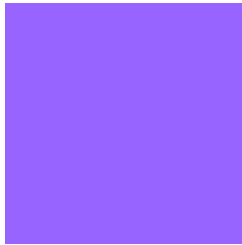


24.0380, 24.3410, 26.9410



# Previews

## White Background



This preview shows how the YIQ color 132.9190, -19.3590, 59.0170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

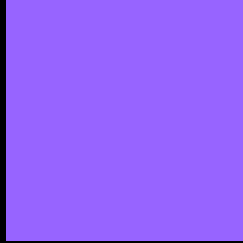
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 132.9190, -19.3590, 59.0170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

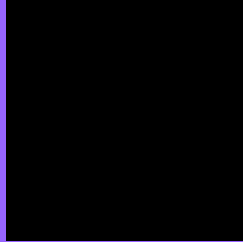
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 132.9190, -19.3590, 59.0170

## Background



This preview shows how black text looks on a background with the YIQ color 132.9190, -19.3590, 59.0170.



This preview shows how white text looks on a background with the YIQ color 132.9190, -19.3590,



# 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

132.9190, -19.3590, 59.0170

### Protanopia

119.7650, -84.5960, 24.3320

### Deuteranopia

105.4480, -112.2850, 3.0030



## Tritanopia

131.0470, -7.3820, 1.6260

# Trichromacy



## Original Color

132.9190, -19.3590, 59.0170

## Protanomaly

124.3600, -60.9860, 36.9820

## Deuteranomaly

115.6470, -78.4520, 23.1160

## Tritanomaly

131.3680, -11.8790, 22.5610

# Monochromacy



## Original Color

132.9190, -19.3590, 59.0170

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.0650, -6.6520, 21.4440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 132.9190, -19.3590, 59.0170 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(151, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 100, 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(151, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 100, 255) }
```

## Border

The CSS property to change the border of an element to YIQ 132.9190, -19.3590, 59.0170 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(151, 100, 255) }
```



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

```
.border{ border-color:rgb(151, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 100,  
255) }
```

# Background

The CSS property to change the background color of an element to YIQ 132.9190, -19.3590, 59.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 100, 255) }
```

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

```
.background{ background-color: rgb(151,  
100, 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](#).

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