

# Converting Colors

YIQ(52.2720, -0.5190, 81.0250)

Have a look what the booklet for  
YIQ(52.2720, -0.5190, 81.0250)  
contains.

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# Color

**YIQ(52.2720, -0.5190,  
81.0250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6600BF
RGB	102, 0, 191
RGB Percent	40%, 0%, 75%
CMY	0.5996, 1.0000, 0.2511
CMYK	0.47, 1.00, 0.00, 0.25
HSL	272°, 100%, 37%
HSV	272°, 100%, 75%
XYZ	14.8897, 6.5901, 49.7554
YIQ	52.2720, -0.5190, 81.0250

# Conversions

## Conversions Part 2

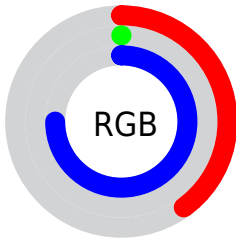
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 0, 191
Decimal	6684863
CIE <sub>Lab</sub>	30.85, 67.58, -73.26
CIE <sub>LCh</sub>	31, 99.671, 312.688
Yxy	6.5901, 0.2090, 0.0925
Android (android.graphics.Color)	4284874943 (0xFF6600BF)
YUV	52.2720, 68.3929, 43.6115
Hunter-Lab	25.6711, 58.6086, -96.9451

# Details

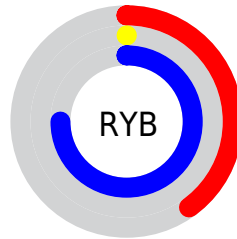
The YIQ color **52.2720, -0.5190, 81.0250** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **138.7280, 0.5190, -81.0250**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.0880, -3.1770, 74.1270**, and **25.9690, -22.7960, 49.7160** is the 20% darker color. If you saturate the color by 10%, you get **52.2720, -0.5190, 81.0250**, and if you desaturate by 10%, it is **66.1160, -0.3800, 72.9960**.

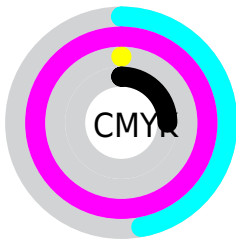
# Distribution



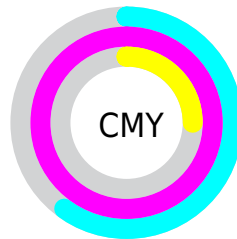
- Red (40%)
- Green (0%)
- Blue (75%)



- Red (40%)
- Yellow (0%)
- Blue (75%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (60%)
- Magenta (100%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 52.2720, -0.5190, 81.0250 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 52.2720, -0.5190, 81.0250 by changing the saturation by 10% instead.



■ 52.2720, -0.5190,  
81.0250

■ 52.2720, -0.5190,  
81.0250

■ 255.0000, -0.0000,  
-0.0000

■ 39.8110, -10.0070,  
65.7450

■ 119.0880, -3.1770,  
74.1270

■ 25.9690, -22.7960,  
49.7160

■ 145.1780, 5.0770,  
67.7090

■ 12.5400, -35.3100,  
34.2100

■ 170.5840, 15.2570,  
59.4250

■ 9.5760, -26.9640,  
26.1240

■ 195.4030, 25.7120,  
51.6640

■ 10.3620, -20.9100,  
15.5220

■ 213.3230, 19.5250,  
37.1330

■ 5.3920, -12.4270,  
10.4610

■ 229.7590, 11.8250,


■ 2.1830, -4.7690,


22.4890


3.8310


 247.3690, 3.5750,  
6.7990

 0.0000, 0.0000,  
0.0000

 52.2720, -0.5190,  
81.0250

 66.1160, -0.3800,  
72.9960

 79.9600, -0.2410,  
64.9670

 93.8040, -0.1020,  
56.9380

 107.6480, 0.0370,  
48.9090

 121.4920, 0.1760,  
40.8800

■ 135.6240, -0.5560,  
32.1160

■ 149.4680, -0.4170,  
24.0870

■ 163.3120, -0.2780,  
16.0580

■ 177.1560, -0.1390,  
8.0290

# Harmonies

## Analogous

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



70.9460, -95.0510, 32.0930



52.2720, -0.5190, 81.0250



67.3150, 67.8430, 75.5790

# Triad

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



52.2720, -0.5190, 81.0250



66.7250, 60.7500, 0.3500



69.6100, -60.9760, -18.2880

# Complementary

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



52.2720, -0.5190, 81.0250



138.7280, 0.5190, -81.0250

# 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.



57.9310, -32.2240, -43.7760



52.2720, -0.5190, 81.0250



64.3020, 12.5680, -29.5440

# Square

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



52.2720, -0.5190, 81.0250



51.4280, 102.5120, 36.4640



53.4170, -25.0250, -47.5930



79.2200, -85.2800, 3.6800



# Rectangle

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



52.2720, -0.5190, 81.0250



66.2850, 93.7500, 63.1100



53.4170, -25.0250, -47.5930



65.8310, -51.7130, -26.4730

# Sweetspot

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



52.2720, -0.5190, 81.0250



193.3960, 0.0860, 31.4940



74.0170, -85.7860, 12.8540



92.3060, -0.1410, 19.0830



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



52.2720, -0.5190, 81.0250



67.6260, -0.6150, 104.8010



78.1990, 54.4510, 98.0270



87.5210, 0.0910, 3.8590



43.4270, -0.0580, 67.1580



8.3180, -0.4150, 13.0330



# Inverse Universe

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



67.2550, 85.2670, 68.1710



86.9630, 110.2970, 88.1290



112.8010, -54.4510, -98.0270



88.1470, 4.0800, 3.1520



55.6780, 70.4140, 56.5100

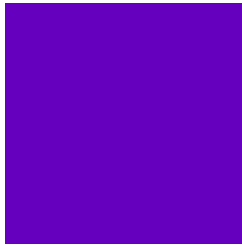


10.8650, 13.9820, 10.9260



# Previews

## White Background



This preview shows how the YIQ color 52.2720, -0.5190, 81.0250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

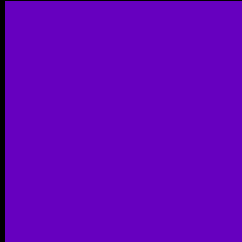
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 52.2720, -0.5190, 81.0250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

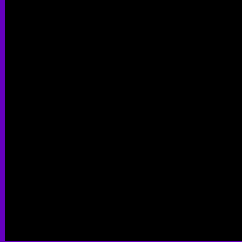
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 52.2720, -0.5190, 81.0250**

## **Background**



This preview shows how black text looks on a background with the YIQ color 52.2720, -0.5190, 81.0250.



This preview shows how white text looks on a background with the YIQ color 52.2720, -0.5190, 81.0250.



# 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

52.2720, -0.5190, 81.0250

### Protanopia

60.1790, -68.8670, 9.0930

### Tritanopia

74.6840, -1.9260, 1.8660

# Trichromacy



**Original Color**

52.2720, -0.5190, 81.0250

**Protanomaly**

56.9890, -43.8840, 35.4120

**Tritanomaly**

66.3850, -1.3810, 30.5470

# Monochromacy



**Original Color**

52.2720, -0.5190, 81.0250

**Achromatopsia**

52.0000, -0.0000, -0.0000

**Achromatomaly**

52.0430, -0.4180, 29.6140

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 52.2720, -0.5190, 81.0250 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(102, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 191)  
}
```

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(102, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 52.2720, -0.5190, 81.0250 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(102, 0, 191) }
```

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

```
.border{ border-color:rgb(102, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
191) }
```



# Background

The CSS property to change the background color of an element to YIQ 52.2720, -0.5190, 81.0250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 191) }
```

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

```
.background{ background-color: rgb(102, 0,  
191) }
```

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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