

# Converting Colors

YIQ(53.6230, 9.2120, 20.2840)

Have a look what the booklet for  
YIQ(53.6230, 9.2120, 20.2840)  
contains.

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# Color

**YIQ(53.6230, 9.2120,  
20.2840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B264E
RGB	75, 38, 78
RGB Percent	29%, 15%, 31%
CMY	0.7058, 0.8510, 0.6941
CMYK	0.04, 0.51, 0.00, 0.69
HSL	296°, 35%, 23%
HSV	296°, 51%, 31%
XYZ	4.9717, 3.4323, 7.6085
YIQ	53.6230, 9.2120, 20.2840

# Conversions

## Conversions Part 2

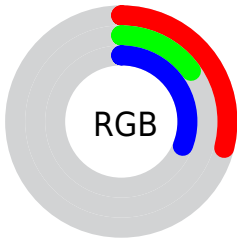
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 38, 78
Decimal	4925006
CIELab	21.70, 24.50, -17.38
CIElCh	22, 30.040, 324.649
Yxy	3.4323, 0.3105, 0.2144
Android (android.graphics.Color)	4283115086 (0xFF4B264E)
YUV	53.6230, 12.0179, 18.7476
Hunter-Lab	18.5266, 15.4801, -11.3805

# Details

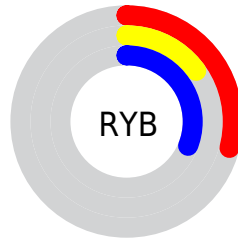
The YIQ color **53.6230, 9.2120, 20.2840** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **62.3770, -9.2120, -20.2840**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.1610, 10.6330, 22.0650**, and **13.4440, 8.1580, 17.3580** is the 20% darker color. If you saturate the color by 10%, you get **48.6280, 10.8160, 24.2560**, and if you desaturate by 10%, it is **58.6180, 7.6080, 16.3120**.

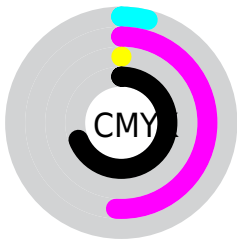
# Distribution



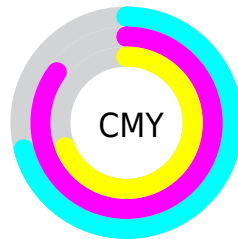
- Red (29%)
- Green (15%)
- Blue (31%)



- Red (29%)
- Yellow (15%)
- Blue (31%)



- Cyan (4%)
- Magenta (51%)
- Yellow (0%)
- Black (69%)



- Cyan (71%)
- Magenta (85%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 53.6230, 9.2120, 20.2840 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 53.6230, 9.2120, 20.2840 by changing the saturation by 10% instead.



■ 53.6230, 9.2120,  
20.2840

■ 53.6230, 9.2120,  
20.2840

■ 255.0000, -0.0000,  
-0.0000

■ 31.2100, 8.9370,  
19.7610

■ 101.1610, 10.6330,  
22.0650

■ 13.7430, 8.7540,  
17.5700

■ 126.5740, 10.9080,  
22.5880

■ 0.7980, -2.2470,  
2.1770

■ 152.9870, 11.1830,  
23.1110

■ 0.0000, 0.0000,  
0.0000

■ 179.8130, 11.7330,  
24.1570

■ 207.2260, 12.0080,  
24.6800

■ 232.1070, 10.7250,

20.3970

249.1300, 2.7500,  
5.2300

53.6230, 9.2120,  
20.2840

53.6230, 9.2120,  
20.2840

48.6280, 10.8160,  
24.2560

58.6180, 7.6080,  
16.3120

43.9320, 13.0160,  
28.4400

63.3140, 5.4080,  
12.1280

39.5240, 14.3450,  
31.8890

67.7220, 4.0790,  
8.6790

34.8280, 16.5450,  
36.0730

72.4180, 1.8790,  
4.4950

30.4200, 17.8740,  
39.5220

77.4130, 0.2750,  
0.5230

■ 82.4080, -1.3290,  
-3.4490

■ 87.1040, -3.5290,  
-7.6330

■ 91.5120, -4.8580,  
-11.0820

■ 96.2080, -7.0580,  
-15.2660

# Harmonies

## Analogous

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



52.2330, -16.2330, 13.3590



53.6230, 9.2120, 20.2840



51.6050, 26.8180, 20.5940

# Triad

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



53.6230, 9.2120, 20.2840



49.4970, 25.8610, -11.6350



44.3740, -39.5200, -10.6560

# Complementary

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



53.6230, 9.2120, 20.2840



62.3770, -9.2120, -20.2840

# 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.



41.7520, -32.1370, -17.8090



53.6230, 9.2120, 20.2840



47.3100, 10.0900, -17.6700

# Square

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



53.6230, 9.2120, 20.2840



50.7080, 33.0570, 1.1290



42.5550, -15.5850, -20.4250



45.2520, -44.7480, -4.0120



# Rectangle

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



53.6230, 9.2120, 20.2840



50.4930, 32.8250, 16.3530



42.5550, -15.5850, -20.4250



44.1630, -37.5480, -13.3560

# Sweetspot

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



53.6230, 9.2120, 20.2840



92.8960, 3.5290, 7.6330



44.3210, -13.6650, 10.8710



45.4180, 1.8790, 4.4950



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



53.6230, 9.2120, 20.2840



63.5240, 14.3450, 31.8890



52.5820, 16.4570, 15.6330



35.6520, 1.1000, 2.0920



39.7340, 23.2820, 51.6500



89.6080, 52.5220, 116.4740



# Inverse Universe

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



50.3020, 22.8770, 9.4130



58.2930, 36.2640, 14.6000



63.4180, -16.4570, -15.6330



35.3100, 2.0630, 1.1590



31.4100, 58.2240, 24.1120



70.7080, 131.6230, 54.0470



# Previews

## White Background



This preview shows how the YIQ color 53.6230, 9.2120, 20.2840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

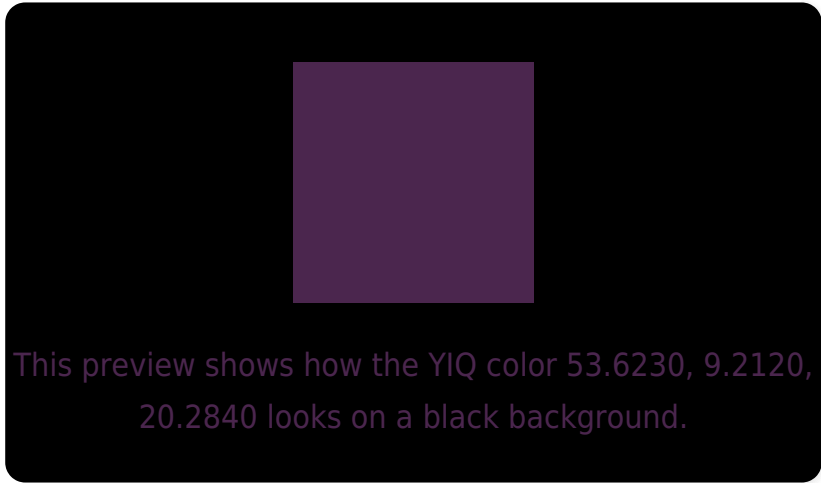
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

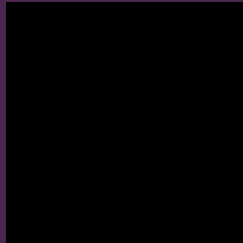
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 53.6230, 9.2120, 20.2840**

## **Background**



This preview shows how black text looks on a background with the YIQ color 53.6230, 9.2120, 20.2840.



This preview shows how white text looks on a background with the YIQ color 53.6230, 9.2120,



# 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

53.6230, 9.2120, 20.2840

### Protanopia

50.9610, -21.4590, 8.9490

### Deuteranopia

52.2300, -12.1510, 5.4570



## Tritanopia

53.2300, 14.2120, 6.7560

# Trichromacy



## Original Color

53.6230, 9.2120, 20.2840

## Protanomaly

51.7560, -10.4560, 13.2880

## Deuteranomaly

52.6980, -4.5410, 10.7150

## Tritanomaly

53.0220, 12.1020, 11.9580

# Monochromacy



## Original Color

53.6230, 9.2120, 20.2840

## Achromatopsia

54.0000, -0.0000, 0.0000

## Achromatomaly

53.8960, 3.5290, 7.6330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 53.6230, 9.2120, 20.2840 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(75, 38, 78)` looks like.

```
.text, #text, p{  
    color:rgb(75, 38, 78)  
}
```

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(75, 38, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 38, 78) }
```

## Border

The CSS property to change the border of an element to YIQ 53.6230, 9.2120, 20.2840 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(75, 38, 78) }
```



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

```
.border{ border-color:rgb(75, 38, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 38, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 38, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 38, 78);  
box-shadow:4px 4px 4px 4px rgb(75, 38, 78)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 53.6230, 9.2120, 20.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 38, 78) }
```

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

```
.background{ background-color: rgb(75, 38,  
78) }
```

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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