

# Converting Colors

YIQ(90.3030, 23.4180, 60.2020)

Have a look what the booklet for  
YIQ(90.3030, 23.4180, 60.2020)  
contains.

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# Color

**YIQ(90.3030, 23.4180,  
60.2020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	962DA7
RGB	150, 45, 167
RGB Percent	59%, 18%, 65%
CMY	0.4114, 0.8237, 0.3451
CMYK	0.10, 0.73, 0.00, 0.35
HSL	292°, 58%, 42%
HSV	292°, 73%, 65%
XYZ	20.5047, 11.1554, 37.6315
YIQ	90.3030, 23.4180, 60.2020

# Conversions

## Conversions Part 2

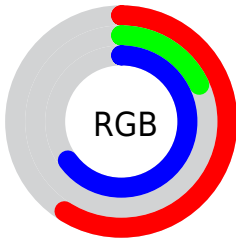
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 45, 167
Decimal	9842087
CIE <sub>Lab</sub>	39.84, 59.18, -44.08
CIE <sub>LCh</sub>	40, 73.793, 323.322
Yxy	11.1554, 0.2959, 0.1610
Android (android.graphics.Color)	4288032167 (0xFF962DA7)
YUV	90.3030, 37.8116, 52.3543
Hunter-Lab	33.3996, 51.1354, -43.4226

# Details

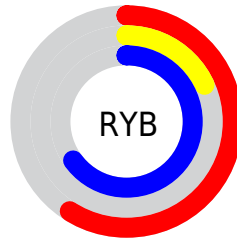
The YIQ color **90.3030, 23.4180, 60.2020** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **121.6970, -23.4180, -60.2020**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.6020, 24.0140, 60.4140**, and **41.4010, 20.0260, 55.5940** is the 20% darker color. If you saturate the color by 10%, you get **79.7260, 26.9010, 68.6690**, and if you desaturate by 10%, it is **100.8800, 19.9350, 51.7350**.

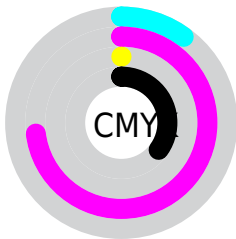
# Distribution



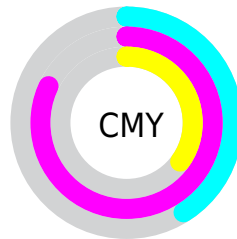
- Red (59%)
- Green (18%)
- Blue (65%)



- Red (59%)
- Yellow (18%)
- Blue (65%)



- Cyan (10%)
- Magenta (73%)
- Yellow (0%)
- Black (35%)



- Cyan (41%)
- Magenta (82%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.3030, 23.4180, 60.2020 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 90.3030, 23.4180, 60.2020 by changing the saturation by 10% instead.



90.3030, 23.4180,  
60.2020

90.3030, 23.4180,  
60.2020

255.0000, -0.0000,  
-0.0000

55.3730, 26.3970,  
66.7890

146.6020, 24.0140,  
60.4140

41.4010, 20.0260,  
55.5940

175.3140, 24.8850,  
61.1490

30.4780, 11.9590,  
42.0950

196.8870, 27.2250,  
51.7770

20.8650, 5.9550,  
29.7550

213.3230, 19.5250,  
37.1330

6.2830, -10.5020,  
14.1220

230.3460, 11.5500,  
21.9660

2.8670, -6.6950,  
5.6970

247.3690, 3.5750,

0.0000, 0.0000,

6.7990

0.0000

■ 90.3030, 23.4180,  
60.2020

■ 90.3030, 23.4180,  
60.2020

■ 79.7260, 26.9010,  
68.6690

■ 100.8800, 19.9350,  
51.7350

■ 69.4370, 29.5130,  
76.4010

■ 111.1690, 17.3230,  
44.0030

■ 62.0940, 32.2170,  
82.4650

■ 121.7460, 13.8400,  
35.5360

■ 132.3230, 10.3570,  
27.0690

■ 142.6120, 7.7450,  
19.3370

■ 153.1890, 4.2620,  
10.8700

■ 163.7660, 0.7790,  
2.4030

■ 174.6420, -2.1080,  
-5.8520

■ 184.6320, -5.3160,  
-13.7960

# Harmonies

## Analogous

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



82.1750, -71.0710, 27.0170



90.3030, 23.4180, 60.2020



69.3500, 77.9300, 74.4900

# Triad

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



90.3030, 23.4180, 60.2020



88.7430, 51.1710, -18.7890



85.2260, -77.3900, -18.1740

# Complementary

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



90.3030, 23.4180, 60.2020



121.6970, -23.4180, -60.2020

# 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.



77.5710, -57.2130, -36.9330



90.3030, 23.4180, 60.2020



81.9780, 13.1200, -39.5520

# Square

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



90.3030, 23.4180, 60.2020



83.4030, 85.3240, 6.5400



66.4450, -31.3960, -58.7880



89.8660, -93.2110, -1.2670



# Rectangle

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



90.3030, 23.4180, 60.2020



66.2850, 93.7500, 63.1100



66.4450, -31.3960, -58.7880



82.9460, -70.9700, -24.3940

# Sweetspot

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



90.3030, 23.4180, 60.2020



186.7310, 9.0280, 23.6200



69.4740, -44.1120, 28.5280



91.7810, 5.5910, 14.3190



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



90.3030, 23.4180, 60.2020



96.8100, 36.4330, 94.1690



90.4840, 47.3530, 50.4330



79.0050, 1.6040, 3.9720



54.8450, 28.1840, 72.9520



7.6620, 4.3080, 10.0360



# Inverse Universe

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



83.4160, 67.2550, 31.1510



86.0730, 105.4900, 48.5780



121.5160, -47.3530, -50.4330



78.5060, 4.4470, 2.0070



46.5320, 81.7880, 37.5960



6.3220, 10.9570, 5.1730



# Previews

## White Background



This preview shows how the YIQ color 90.3030, 23.4180, 60.2020 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 × Fail



# Black Background



This preview shows how the YIQ color 90.3030, 23.4180, 60.2020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

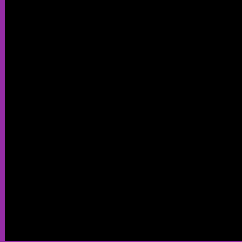
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 90.3030, 23.4180, 60.2020**

## **Background**



This preview shows how black text looks on a background with the YIQ color 90.3030, 23.4180, 60.2020.



This preview shows how white text looks on a background with the YIQ color 90.3030, 23.4180,



# 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

90.3030, 23.4180, 60.2020

### Protanopia

75.5330, -87.2990, 12.7410

### Deuteranopia

89.1400, -46.7680, 10.5760



## Tritanopia

95.4070, 35.9430, 14.9110

# Trichromacy



## Original Color

90.3030, 23.4180, 60.2020

## Protanomaly

80.8590, -46.6340, 30.1820

## Deuteranomaly

89.6800, -21.3250, 28.5550

## Tritanomaly

93.6800, 31.4010, 31.1530

# Monochromacy



## Original Color

90.3030, 23.4180, 60.2020

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

90.3780, 8.5240, 21.7400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.3030, 23.4180, 60.2020 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(150, 45, 167)` looks like.

```
.text, #text, p{  
    color:rgb(150, 45, 167)  
}
```

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(150, 45, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 45, 167) }
```

## Border

The CSS property to change the border of an element to YIQ 90.3030, 23.4180, 60.2020 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(150, 45, 167) }
```



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

```
.border{ border-color:rgb(150, 45, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 45, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 45, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 45, 167);  
box-shadow:4px 4px 4px 4px rgb(150, 45,  
167) }
```

# Background

The CSS property to change the background color of an element to YIQ 90.3030, 23.4180, 60.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 45, 167) }
```

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

```
.background{ background-color: rgb(150, 45,  
167) }
```

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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