

Converting Colors

YIQ(48.7780, 11.9550, 64.2030)

Have a look what the booklet for
YIQ(48.7780, 11.9550, 64.2030)
contains.

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Color

**YIQ(48.7780, 11.9550,
64.2030)**

Conversions

Conversions Part 1

Format	Color
Hex	640491
RGB	100, 4, 145
RGB Percent	39%, 2%, 57%
CMY	0.6075, 0.9845, 0.4314
CMYK	0.31, 0.97, 0.00, 0.43
HSL	281°, 95%, 29%
HSV	281°, 97%, 57%
XYZ	10.4171, 4.8437, 27.1676
YIQ	48.7780, 11.9550, 64.2030

Conversions

Conversions Part 2

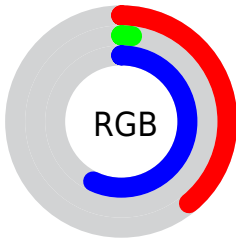
Format	Color
RYB	100, 4, 145
Decimal	6554769
CIELab	26.28, 57.02, -53.01
CIELCh	26, 77.849, 317.088
Yxy	4.8437, 0.2455, 0.1142
Android (android.graphics.Color)	4284744849 (0xFF640491)
YUV	48.7780, 47.4374, 44.9217
Hunter-Lab	22.0085, 45.9727, -57.7824

Details

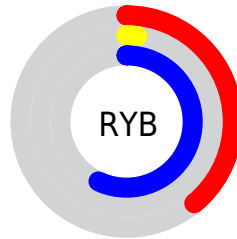
The YIQ color **48.7780, 11.9550, 64.2030** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **100.2220, -11.9550, -64.2030**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **109.9470, 9.8010, 59.1850**, and **24.0570, -3.0330, 38.4630** is the 20% darker color. If you saturate the color by 10%, you get **46.1310, 12.4590, 66.0830**, and if you desaturate by 10%, it is **58.4910, 11.0850, 57.9410**.

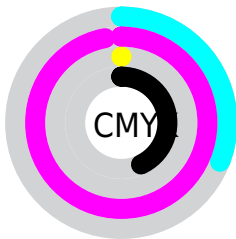
Distribution



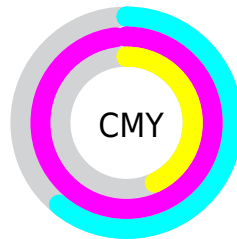
- Red (39%)
- Green (2%)
- Blue (57%)



- Red (39%)
- Yellow (2%)
- Blue (57%)



- Cyan (31%)
- Magenta (97%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (98%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.7780, 11.9550, 64.2030 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 48.7780, 11.9550, 64.2030 by changing the saturation by 10% instead.

48.7780, 11.9550,
64.2030

48.7780, 11.9550,
64.2030

255.0000, -0.0000,
-0.0000

35.3930, 5.3090,
52.4850

109.9470, 9.8010,
59.1850

24.0570, -3.0330,
38.4630

137.3600, 10.0760,
59.7080

12.6500, -12.6130,
24.8510

164.9580, 11.2680,
60.1320

6.8910, -15.2700,
12.4260

189.7770, 21.7230,
52.3710

3.3230, -7.9790,
6.9410


209.8010, 21.1750,
40.2710


0.0000, 0.0000,
0.0000


226.2370, 13.4750,


25.6270

 243.2600, 5.5000,
10.4600


 48.7780, 11.9550,
64.2030


 48.7780, 11.9550,
64.2030


 46.1310, 12.4590,
66.0830

 58.4910, 11.0850,
57.9410

 68.4920, 9.3440,
50.9440

 78.2050, 8.4740,
44.6820

 88.5050, 7.3290,
37.8970

 97.9190, 5.8630,
31.4230

■ 108.2190, 4.7180,
24.6380

■ 117.6330, 3.2520,
18.1640

■ 127.9330, 2.1070,
11.3790

■ 137.6460, 1.2370,
5.1170

Harmonies

Analogous

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



55.7400, -74.2800, 24.6000



48.7780, 11.9550, 64.2030



54.8110, 59.9140, 59.5780

Triad

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



48.7780, 11.9550, 64.2030



58.6520, 44.6580, -5.3740



59.6650, -53.6410, -13.5530

Complementary

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



48.7780, 11.9550, 64.2030



100.2220, -11.9550, -64.2030

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.



51.3090, -32.8680, -32.1000



48.7780, 11.9550, 64.2030



54.2460, 6.9740, -27.2820

Square

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



48.7780, 11.9550, 64.2030



40.6640, 81.0560, 28.8320



45.7860, -21.4500, -40.7940



65.8210, -70.9750, 3.2410

Rectangle

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



48.7780, 11.9550, 64.2030



52.8710, 76.8800, 49.4560



45.7860, -21.4500, -40.7940



57.3850, -47.2210, -19.7730

Sweetspot

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



48.7780, 11.9550, 64.2030



151.3330, 4.3970, 24.9490



47.6630, -58.1860, 19.2700



71.6390, 3.1150, 15.1390



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



48.7780, 11.9550, 64.2030



60.1170, 16.2150, 86.1270



59.4970, 46.4790, 66.2790



66.2930, 0.7330, 3.2370



42.8980, 11.4970, 61.4890



2.4070, 0.4120, 3.5480

Inverse Universe

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



51.2890, 69.5910, 43.8870



63.3510, 93.3840, 58.7280



89.3890, -46.1580, -66.5900



66.4350, 3.2090, 2.4170



45.2670, 66.6570, 41.9930



2.6200, 4.1260, 2.3180

Previews

White Background



This preview shows how the YIQ color 48.7780, 11.9550, 64.2030 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

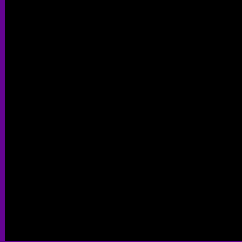
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.7780, 11.9550, 64.2030

Background



This preview shows how black text looks on a background with the YIQ color 48.7780, 11.9550, 64.2030.



This preview shows how white text looks on a background with the YIQ color 48.7780, 11.9550,

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

48.7780, 11.9550, 64.2030

Protanopia

52.0290, -59.6970, 8.1030

Deuteranopia

52.3250, -55.0190, 0.4130



Tritanopia

66.1270, 16.0000, 7.3920

Trichromacy



Original Color

48.7780, 11.9550, 64.2030

Protanomaly

51.0360, -34.0710, 28.2730

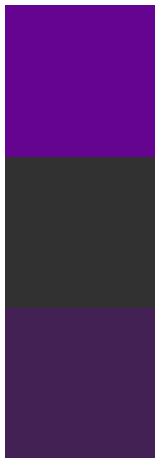
Deuteranomaly

50.8420, -30.7690, 23.4950

Tritanomaly

60.0030, 14.2540, 28.0300

Monochromacy



Original Color

48.7780, 11.9550, 64.2030

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.2790, 4.4890, 23.2810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.7780, 11.9550, 64.2030 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(100, 4, 145)` looks like.

```
.text, #text, p{  
    color:rgb(100, 4, 145)  
}
```

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(100, 4, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 4, 145) }
```

Border

The CSS property to change the border of an element to YIQ 48.7780, 11.9550, 64.2030 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(100, 4, 145) }
```


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

```
.border{ border-color:rgb(100, 4, 145) }
```

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

Here you see how a box with a 4 pixel rgb(100, 4, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 4, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 4, 145);  
box-shadow:4px 4px 4px 4px rgb(100, 4,  
145) }
```

Background

The CSS property to change the background color of an element to YIQ 48.7780, 11.9550, 64.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 4, 145) }
```

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

```
.background{ background-color: rgb(100, 4,  
145) }
```

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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