

Converting Colors

YIQ(77.0610, 9.4800, 59.4960)

Have a look what the booklet for
YIQ(77.0610, 9.4800, 59.4960)
contains.

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Color

**YIQ(77.0610, 9.4800,
59.4960)**

Conversions

Conversions Part 1

Format	Color
Hex	7B24A8
RGB	123, 36, 168
RGB Percent	48%, 14%, 66%
CMY	0.5173, 0.8590, 0.3412
CMYK	0.27, 0.79, 0.00, 0.34
HSL	280°, 65%, 40%
HSV	280°, 79%, 66%
XYZ	15.8751, 8.3025, 37.8036
YIQ	77.0610, 9.4800, 59.4960

Conversions

Conversions Part 2

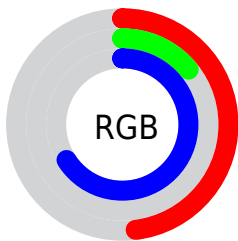
Format	Color
R _Y B	123, 36, 168
Decimal	8070312
CIE Lab	34.61, 57.23, -53.32
CIE LCh	35, 78.219, 317.027
Yxy	8.3025, 0.2561, 0.1340
Android (android.graphics.Color)	4286260392 (0xFF7B24A8)
YUV	77.0610, 44.8329, 40.2885
Hunter-Lab	28.8141, 47.9197, -57.6177

Details

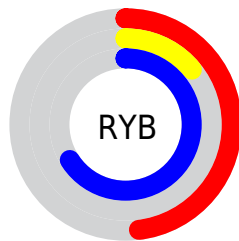
The YIQ color **77.0610, 9.4800, 59.4960** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **126.9390, -9.4800, -59.4960**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **132.7730, 10.3510, 60.2310**, and **33.4420, 3.6130, 50.1810** is the 20% darker color. If you saturate the color by 10%, you get **65.2880, 10.5790, 67.1150**, and if you desaturate by 10%, it is **88.8340, 8.3810, 51.8770**.

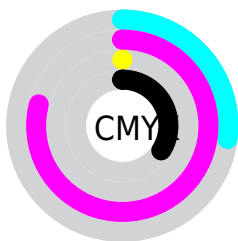
Distribution



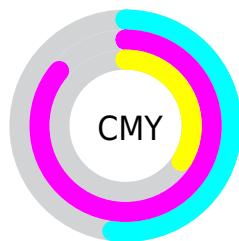
- Red (48%)
- Green (14%)
- Blue (66%)



- Red (48%)
- Yellow (14%)
- Blue (66%)



- Cyan (27%)
- Magenta (79%)
- Yellow (0%)
- Black (34%)



- Cyan (52%)
- Magenta (86%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.0610, 9.4800, 59.4960 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 77.0610, 9.4800, 59.4960 by changing the saturation by 10% instead.

■ 77.0610, 9.4800,
59.4960

■ 77.0610, 9.4800,
59.4960

■ 255.0000, -0.0000,
-0.0000

■ 44.4790, 11.3590,
63.9910

■ 132.7730, 10.3510,
60.2310

■ 33.4420, 3.6130,
50.1810

■ 160.5990, 10.9010,
61.2770

■ 22.2200, -5.0500,
36.4700

■ 185.3470, 20.1180,
53.9260

■ 9.2040, -17.2890,
21.4870

■ 206.8660, 22.5500,
42.8860

■ 6.5490, -14.3070,
11.4930

■ 223.3020, 14.8500,
28.2420

■ 2.8670, -6.6950,
5.6970

■ 240.3250, 6.8750,

■ 0.0000, 0.0000,

13.0750

0.0000

■ 77.0610, 9.4800,
59.4960

■ 77.0610, 9.4800,
59.4960

■ 65.2880, 10.5790,
67.1150

■ 88.8340, 8.3810,
51.8770

■ 53.8140, 12.2740,
74.9460

■ 100.6070, 7.2820,
44.2580

■ 52.3410, 12.2280,
75.7800

■ 111.4940, 5.8620,
36.9500

■ 123.2670, 4.7630,
29.3310

■ 135.0400, 3.6640,
21.7120

■ 146.5140, 1.9690,
13.8810

■ 158.2870, 0.8700,
6.2620

■ 169.4730, 0.0460,
-0.8340

■ 181.2460, -1.0530,
-8.4530

Harmonies

Analogous

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



69.0420, -86.9340, 22.6500



77.0610, 9.4800, 59.4960



64.6800, 68.0730, 71.4090

Triad

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



77.0610, 9.4800, 59.4960



76.9810, 53.7370, -10.2230



74.9730, -66.4320, -18.5280

Complementary

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



77.0610, 9.4800, 59.4960



126.9390, -9.4800, -59.4960

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.



66.2750, -44.6960, -38.0080



77.0610, 9.4800, 59.4960



72.2760, 15.4570, -32.3430

Square

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



77.0610, 9.4800, 59.4960



62.2380, 90.8230, 22.5270



58.1130, -27.2250, -51.7770



80.7700, -84.1330, -0.5890

Rectangle

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



77.0610, 9.4800, 59.4960



62.9960, 87.1940, 60.7780



58.1130, -27.2250, -51.7770



72.4650, -59.3700, -25.3700

Sweetspot

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



77.0610, 9.4800, 59.4960



183.0940, 3.5720, 23.3800



78.0500, -55.0220, 16.9940



87.9270, 2.2440, 14.4040



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.



77.0610, 9.4800, 59.4960



77.1480, 14.9300, 92.8980



88.2360, 42.7200, 62.8160



78.4070, 0.4120, 3.5480



46.1740, 10.9000, 66.8040



6.1670, 1.3280, 8.9760

Inverse Universe

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



80.5980, 64.2270, 41.9790



82.5740, 100.3060, 65.4420



115.7640, -42.7200, -62.8160



78.7340, 3.8050, 2.6290



49.9520, 72.1580, 46.9260



6.7780, 9.6730, 6.4170

Previews

White Background



This preview shows how the YIQ color 77.0610, 9.4800, 59.4960 looks on a white background.

Color Contrast Check

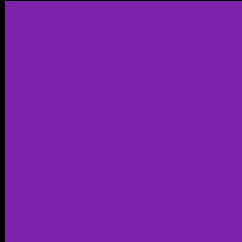
Large Text (above 18pt) WCAG AA ✓ Pass

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 77.0610, 9.4800, 59.4960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

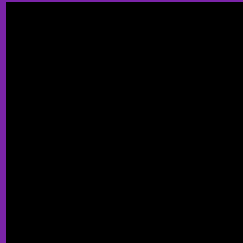
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 77.0610, 9.4800, 59.4960

Background



This preview shows how black text looks on a background with the YIQ color 77.0610, 9.4800, 59.4960.



This preview shows how white text looks on a background with the YIQ color 77.0610, 9.4800,

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

77.0610, 9.4800, 59.4960

Protanopia

65.5250, -75.6530, 10.9310

Deuteranopia

66.0660, -70.2870, 1.7850



Tritanopia

83.4480, 19.5300, 9.4980

Trichromacy



Original Color

77.0610, 9.4800, 59.4960

Protanomaly

69.5880, -44.4330, 28.8390

Deuteranomaly

70.4540, -41.3600, 22.7040

Tritanomaly

81.0740, 15.4920, 27.6200

Monochromacy



Original Color

77.0610, 9.4800, 59.4960

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

77.0400, 3.6640, 21.7120

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.0610, 9.4800, 59.4960 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(123, 36, 168)` looks like.

```
.text, #text, p{  
    color:rgb(123, 36, 168)  
}
```

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(123, 36, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 36, 168) }
```

Border

The CSS property to change the border of an element to YIQ 77.0610, 9.4800, 59.4960 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(123, 36, 168) }
```


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

```
.border{ border-color:rgb(123, 36, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 36, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 36, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 36, 168);  
box-shadow:4px 4px 4px 4px rgb(123, 36,  
168) }
```

Background

The CSS property to change the background color of an element to YIQ 77.0610, 9.4800, 59.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 36, 168) }
```

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

```
.background{ background-color: rgb(123, 36,  
168) }
```

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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