

Converting Colors

YIQ(112.9940, -23.9440,
59.5120)

Have a look what the booklet for
YIQ(112.9940, -23.9440, 59.5120)
contains.

YIQ(112.9940, -23.9440, 59.5120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(112.9940, -23.9440,
59.5120)**

Conversions

Conversions Part 1

Format	Color
Hex	7F51F1
RGB	127, 81, 241
RGB Percent	50%, 32%, 95%
CMY	0.5017, 0.6824, 0.0551
CMYK	0.47, 0.66, 0.00, 0.06
HSL	257°, 85%, 63%
HSV	257°, 66%, 94%
XYZ	27.5702, 16.7457, 84.9545
YIQ	112.9940, -23.9440, 59.5120

Conversions

Conversions Part 2

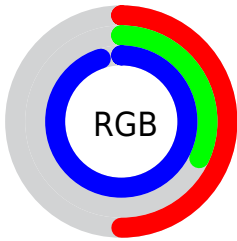
Format	Color
R _Y B	127, 81, 241
Decimal	8344049
CIE Lab	47.94, 55.39, -73.88
CIE LCh	48, 92.339, 306.857
Yxy	16.7457, 0.2133, 0.1295
Android (android.graphics.Color)	4286534129 (0xFF7F51F1)
YUV	112.9940, 63.1070, 12.2833
Hunter-Lab	40.9215, 48.6488, -94.4430

Details

The YIQ color **112.9940, -23.9440, 59.5120** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **209.0060, 23.9440, -59.5120**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **163.0540, -6.9780, 49.3900**, and **57.4230, -29.7660, 54.8900** is the 20% darker color. If you saturate the color by 10%, you get **93.8230, -27.4760, 68.4600**, and if you desaturate by 10%, it is **132.1650, -20.4120, 50.5640**.

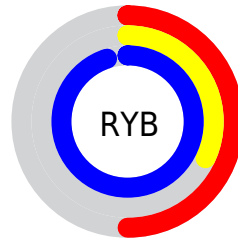
Distribution



Red (50%)

Green (32%)

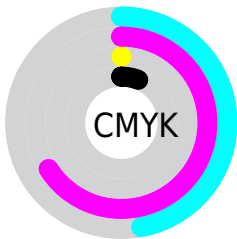
Blue (95%)



Red (50%)

Yellow (32%)

Blue (95%)

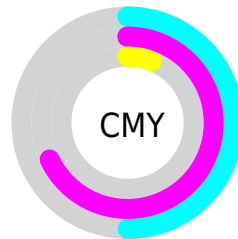


Cyan (47%)

Magenta (66%)

Yellow (0%)

Black (6%)



Cyan (50%)

Magenta (68%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 112.9940, -23.9440, 59.5120 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 112.9940, -23.9440, 59.5120 by changing the saturation by 10% instead.

■ 112.9940,
-23.9440, 59.5120

■ 112.9940,
-23.9440, 59.5120

■ 255.0000, -0.0000,
-0.0000

■ 85.7440, -26.2360,
56.9960

■ 163.0540, -6.9780,
49.3900

■ 57.4230, -29.7660,
54.8900

■ 187.8730, 3.4770,
41.6290

■ 23.1660, -39.3480,
52.3320

■ 213.5780, 14.2530,
33.5570

■ 14.7060, -41.4090,
40.1190

■ 232.1070, 10.7250,
20.3970

■ 11.7420, -33.0630,
32.0330

■ 249.1300, 2.7500,
5.2300

■ 13.0010, -26.9630,
20.5970

■ 9.0910, -18.7090,

14.1790

■ 4.8220, -10.8220,
8.9060

■ 0.3420, -0.9630,
0.9330

■ 112.9940,
-23.9440, 59.5120

■ 112.9940,
-23.9440, 59.5120

■ 93.8230, -27.4760,
68.4600

■ 132.1650,
-20.4120, 50.5640

■ 74.6520, -31.0080,
77.4080

■ 151.3360,
-16.8800, 41.6160

■ 55.4810, -34.5400,
86.3560

■ 170.8060,
-12.7520, 32.8800

■ 48.1050, -36.2370,
89.5790

■ 189.9770, -9.2200,
23.9320

■ 209.1480, -5.6880,
14.9840

■ 228.9060, -2.4310,
5.5130

■ 248.0770, 1.1010,
-3.4350

■ 253.4040, 4.4940,
-4.3540

Harmonies

Analogous

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



99.5100, -114.8550, 16.5450



112.9940, -23.9440, 59.5120



84.7620, 71.9190, 100.8390

Triad

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



112.9940, -23.9440, 59.5120



105.5090, 87.4810, -5.0230



99.3480, -81.3300, -34.8820

Complementary

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



112.9940, -23.9440, 59.5120



209.0060, 23.9440, -59.5120

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.



88.0110, -53.5410, -59.4370



112.9940, -23.9440, 59.5120



105.4560, 41.1330, -35.1150

Square

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



112.9940, -23.9440, 59.5120



72.0390, 129.1930, 54.0330



80.7620, -31.2110, -67.6510



108.1260, -106.0470, -10.9350

Rectangle

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



112.9940, -23.9440, 59.5120



85.8250, 101.9980, 89.8540



80.7620, -31.2110, -67.6510



95.6830, -72.3880, -42.7560

Sweetspot

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



112.9940, -23.9440, 59.5120



214.2990, -7.4310, 19.0410



166.7450, -82.9850, -10.3850



103.2250, -4.5870, 11.5490



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



112.9940, -23.9440, 59.5120



91.8970, -30.3200, 75.9520



136.6150, 23.1400, 76.2600



110.2650, -2.0640, 4.3680



36.8230, -27.4760, 68.4600



11.1680, -8.4400, 20.8080

Inverse Universe

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



141.8360, 58.7660, 69.3740



128.5260, 75.0390, 88.3430



185.3850, -23.1400, -76.2600



112.5000, 4.5840, 5.0320



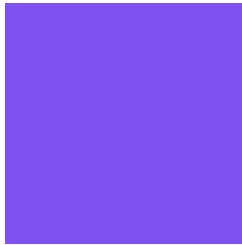
69.9500, 67.6130, 79.7490



21.3040, 20.5360, 24.3120

Previews

White Background



This preview shows how the YIQ color 112.9940, -23.9440, 59.5120 looks on a white background.

Color Contrast Check

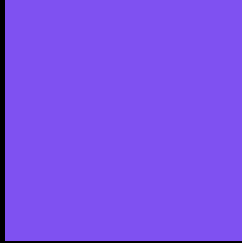
Large Text (above 18pt) WCAG AA ✓ Pass

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 112.9940, -23.9440, 59.5120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

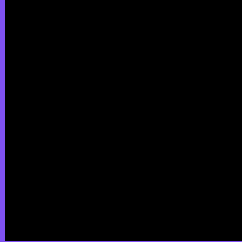
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 112.9940, -23.9440, 59.5120

Background



This preview shows how black text looks on a background with the YIQ color 112.9940, -23.9440, 59.5120.



This preview shows how white text looks on a background with the YIQ color 112.9940, -23.9440,

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

112.9940, -23.9440, 59.5120

Protanopia

90.4310, -104.4470, 15.1450

Deuteranopia

90.8920, -96.1000, 1.5320



Tritanopia

111.7470, -15.4050, -1.6530

Trichromacy



Original Color

112.9940, -23.9440, 59.5120



Protanomaly

98.6570, -75.2440, 31.0600



Deuteranomaly

98.7250, -69.9240, 22.7480



Tritanomaly

112.1930, -18.7560, 20.5400

Monochromacy



Original Color

112.9940, -23.9440, 59.5120



Achromatopsia

113.0000, -0.0000, 0.0000



Achromatomaly

112.8090, -8.8070, 21.9530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 112.9940, -23.9440, 59.5120 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(127, 81, 241)` looks like.

```
.text, #text, p{  
    color:rgb(127, 81, 241)  
}
```

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(127, 81, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 81, 241) }
```

Border

The CSS property to change the border of an element to YIQ 112.9940, -23.9440, 59.5120 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(127, 81, 241) }
```


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

```
.border{ border-color:rgb(127, 81, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 81, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 81, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 81, 241);  
box-shadow:4px 4px 4px 4px rgb(127, 81,  
241) }
```

Background

The CSS property to change the background color of an element to YIQ 112.9940, -23.9440, 59.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 81, 241) }
```

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

```
.background{ background-color: rgb(127, 81,  
241) }
```

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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