

Converting Colors

YIQ(90.6700, -49.7550, 48.2050)

Have a look what the booklet for
YIQ(90.6700, -49.7550, 48.2050)
contains.

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Color

**YIQ(90.6700, -49.7550,
48.2050)**

Conversions

Conversions Part 1

Format	Color
Hex	4949E4
RGB	73, 73, 228
RGB Percent	29%, 29%, 89%
CMY	0.7136, 0.7137, 0.1062
CMYK	0.68, 0.68, 0.00, 0.11
HSL	240°, 74%, 59%
HSV	240°, 68%, 89%
XYZ	19.1244, 11.7795, 74.6056
YIQ	90.6700, -49.7550, 48.2050

Conversions

Conversions Part 2

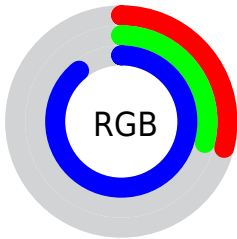
Format	Color
R _Y B	73, 73, 228
Decimal	4803044
CIE Lab	40.86, 47.89, -78.28
CIE LCh	41, 91.766, 301.457
Yxy	11.7795, 0.1813, 0.1116
Android (android.graphics.Color)	4282993124 (0xFF4949E4)
YUV	90.6700, 67.7037, -15.4966
Hunter-Lab	34.3213, 39.4011, -104.8562

Details

The YIQ color **90.6700, -49.7550, 48.2050** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **210.3300, 49.7550, -48.2050**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **143.1310, -32.2400, 44.6560**, and **35.3430, -62.3160, 39.0600** is the 20% darker color. If you saturate the color by 10%, you get **70.2920, -57.1380, 55.3580**, and if you desaturate by 10%, it is **111.0480, -42.3720, 41.0520**.

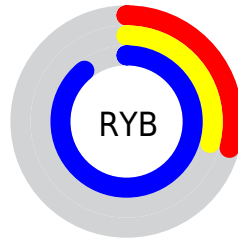
Distribution



Red (29%)

Green (29%)

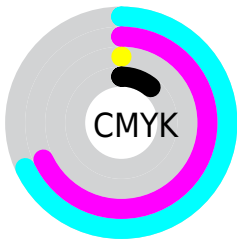
Blue (89%)



Red (29%)

Yellow (29%)

Blue (89%)

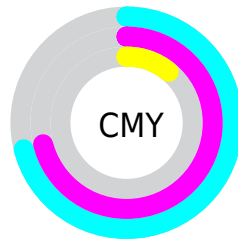


Cyan (68%)

Magenta (68%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (71%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 90.6700, -49.7550, 48.2050 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 90.6700, -49.7550, 48.2050 by changing the saturation by 10% instead.

■ 90.6700, -49.7550,
48.2050

■ 90.6700, -49.7550,
48.2050

■ 255.0000, -0.0000,
-0.0000

■ 59.5110, -62.7290,
41.0390

■ 143.1310,
-32.2400, 44.6560

■ 35.3430, -62.3160,
39.0600

■ 167.6620,
-20.9140, 37.6300

■ 19.9380, -47.8740,
41.6460

■ 192.7800, -9.8630,
30.0810

■ 13.3380, -37.5570,
36.3870

■ 217.5990, 0.5920,
22.3200

■ 14.4830, -31.1360,
24.6400

■ 241.4990, 6.3250,
12.0290

■ 11.7470, -23.4320,
17.1760

■ 6.7770, -14.9490,

12.1150

■ 3.0950, -7.3370,
6.3190

■ 0.0000, 0.0000,
0.0000

■ 90.6700, -49.7550,
48.2050

■ 90.6700, -49.7550,
48.2050

■ 70.2920, -57.1380,
55.3580

■ 111.0480,
-42.3720, 41.0520

■ 49.9140, -64.5210,
62.5110

■ 131.4260,
-34.9890, 33.8990

■ 30.4220, -71.5830,
69.3530

■ 150.9180,
-27.9270, 27.0570

■ 25.9920, -73.1880,
70.9080

■ 171.2960,
-20.5440, 19.9040

■ 191.6740,
-13.1610, 12.7510

■ 212.0520, -5.7780,
5.5980

■ 232.4300, 1.6050,
-1.5550

■ 251.9220, 8.6670,
-8.3970

Harmonies

Analogous

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



91.4230, -109.9960, 22.1000



90.6700, -49.7550, 48.2050



74.3960, 55.0940, 91.8780

Triad

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



90.6700, -49.7550, 48.2050



86.0610, 86.2870, 5.6070



83.9600, -65.5580, -34.3740

Complementary

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



90.6700, -49.7550, 48.2050



210.3300, 49.7550, -48.2050

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.



70.6680, -33.6420, -62.1380



90.6700, -49.7550, 48.2050



90.1500, 42.4150, -25.3050

Square

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



90.6700, -49.7550, 48.2050



65.4120, 117.7770, 51.6730



72.9090, -17.9630, -54.4350



93.2110, -90.2290, -11.2610

Rectangle

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



90.6700, -49.7550, 48.2050



77.1820, 87.5110, 82.5750



72.9090, -17.9630, -54.4350



80.4090, -56.9370, -41.9370

Sweetspot

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



90.6700, -49.7550, 48.2050



209.8140, -16.3710, 15.8610



181.6550, -92.3800, -32.8600



100.5340, -9.9510, 9.6410



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.



90.6700, -49.7550, 48.2050



69.8260, -67.0890, 64.9990



113.6930, -3.8630, 64.5290



104.3680, -3.8520, 3.7320



20.4060, -57.4590, 55.6690



5.8140, -16.3710, 15.8610

Inverse Universe

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



137.0150, 42.6250, 81.0650



132.3170, 57.4750, 109.3070



187.0080, 3.2670, -64.7410



107.9560, 3.3000, 6.2760



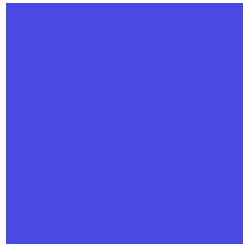
73.8130, 49.5460, 93.3060



21.0630, 14.0250, 26.6730

Previews

White Background



This preview shows how the YIQ color 90.6700, -49.7550, 48.2050 looks on a white background.

Color Contrast Check

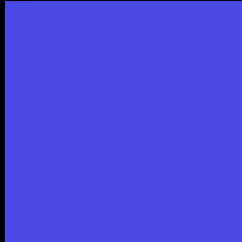
Large Text (above 18pt) WCAG AA ✓ Pass

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 90.6700, -49.7550, 48.2050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

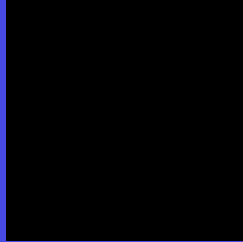
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 90.6700, -49.7550, 48.2050

Background



This preview shows how black text looks on a background with the YIQ color 90.6700, -49.7550, 48.2050.



This preview shows how white text looks on a background with the YIQ color 90.6700, -49.7550,

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

90.6700, -49.7550, 48.2050

Protanopia

76.2340, -87.8950, 12.5290

Deuteranopia

76.5640, -80.5570, 0.6830



Tritanopia

75.2180, -65.7440, -19.9840

Trichromacy



Original Color

90.6700, -49.7550, 48.2050

Protanomaly

81.5660, -73.7300, 25.6460

Deuteranomaly

81.8620, -69.0520, 17.9560

Tritanomaly

80.9210, -59.5130, 4.7670

Monochromacy



Original Color

90.6700, -49.7550, 48.2050

Achromatopsia

91.0000, -0.0000, -0.0000

Achromatomaly

90.4980, -18.2970, 17.7270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 90.6700, -49.7550, 48.2050 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(73, 73, 228)` looks like.

```
.text, #text, p{  
    color:rgb(73, 73, 228)  
}
```

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(73, 73, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 73, 228) }
```

Border

The CSS property to change the border of an element to YIQ 90.6700, -49.7550, 48.2050 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(73, 73, 228) }
```


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

```
.border{ border-color:rgb(73, 73, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 73, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 73, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 73, 228);  
box-shadow:4px 4px 4px 4px rgb(73, 73,  
228) }
```

Background

The CSS property to change the background color of an element to YIQ 90.6700, -49.7550, 48.2050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 73, 228) }
```

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

```
.background{ background-color: rgb(73, 73,  
228) }
```

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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