

Converting Colors

YIQ(99.3510, -47.5990, 42.1690)

Have a look what the booklet for
YIQ(99.3510, -47.5990, 42.1690)
contains.

YIQ(99.3510, -47.5990, 42.1690)	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(99.3510, -47.5990,
42.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	5055E0
RGB	80, 85, 224
RGB Percent	31%, 33%, 88%
CMY	0.6862, 0.6667, 0.1219
CMYK	0.64, 0.62, 0.00, 0.12
HSL	238°, 70%, 60%
HSV	238°, 64%, 88%
XYZ	20.0029, 13.5814, 72.0345
YIQ	99.3510, -47.5990, 42.1690

Conversions

Conversions Part 2

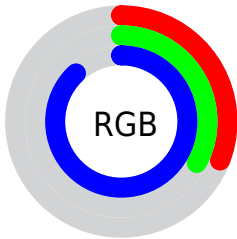
Format	Color
R_{YB}	80, 85, 224
Decimal	5264864
CIE _{Lab}	43.63, 40.40, -71.47
CIE _{LCh}	44, 82.094, 299.479
Yxy	13.5814, 0.1894, 0.1286
Android (android.graphics.Color)	4283454944 (0xFF5055E0)
YUV	99.3510, 61.4520, -16.9708
Hunter-Lab	36.8530, 32.3926, -90.0938

Details

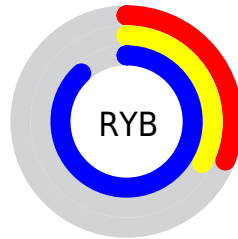
The YIQ color **99.3510, -47.5990, 42.1690** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **204.6490, 47.5990, -42.1690**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **151.0720, -33.7520, 39.0160**, and **42.6320, -64.9280, 31.3280** is the 20% darker color. If you saturate the color by 10%, you get **79.8590, -54.6610, 49.0110**, and if you desaturate by 10%, it is **118.8430, -40.5370, 35.3270**.

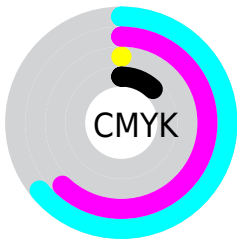
Distribution



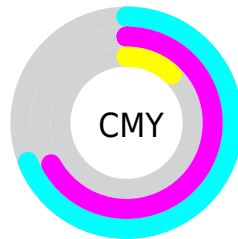
- Red (31%)
- Green (33%)
- Blue (88%)



- Red (31%)
- Yellow (33%)
- Blue (88%)



- Cyan (64%)
- Magenta (62%)
- Yellow (0%)
- Black (12%)



- Cyan (69%)
- Magenta (67%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 99.3510, -47.5990, 42.1690 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 99.3510, -47.5990, 42.1690 by changing the saturation by 10% instead.

■ 99.3510, -47.5990,
42.1690

■ 99.3510, -47.5990,
42.1690

■ 255.0000, -0.0000,
-0.0000

■ 70.8830, -55.2090,
36.9110

■ 151.0720,
-33.7520, 39.0160

■ 42.5180, -64.6070,
31.0170

■ 175.6030,
-22.4260, 31.9900

■ 27.1130, -50.1650,
33.6030

■ 200.4220,
-11.9710, 24.2290

■ 12.9960, -36.5940,
35.4540

■ 226.1270, -1.1950,
16.1570

■ 11.7930, -29.0730,
25.7990

■ 249.1300, 2.7500,
5.2300

■ 11.4050, -22.4690,
16.2430

■ 6.4350, -13.9860,

11.1820

■ 2.7530, -6.3740,
5.3860

■ 0.0000, 0.0000,
0.0000

■ 99.3510, -47.5990,
42.1690

■ 99.3510, -47.5990,
42.1690

■ 79.8590, -54.6610,
49.0110

■ 118.8430,
-40.5370, 35.3270

■ 60.6550, -62.5940,
55.1180

■ 138.0470,
-32.6040, 29.2200

■ 41.1630, -69.6560,
61.9600

■ 157.5390,
-25.5420, 22.3780

■ 30.2320, -74.1040,
65.4800

■ 176.7430,
-17.6090, 16.2710

■ 196.2350,
-10.5470, 9.4290

■ 215.7270, -3.4850,
2.5870

■ 234.9310, 4.4480,
-3.5200

■ 251.4660, 9.9510,
-9.6410

Harmonies

Analogous

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



93.9190, -108.7570, 16.1630



99.3510, -47.5990, 42.1690



90.6790, 43.4510, 77.1070

Triad

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



99.3510, -47.5990, 42.1690



93.1380, 87.3880, 2.1720



87.1230, -67.5750, -36.3670

Complementary

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



99.3510, -47.5990, 42.1690



204.6490, 47.5990, -42.1690

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.



76.4700, -41.7120, -59.0560



99.3510, -47.5990, 42.1690



96.6730, 48.1920, -25.3760

Square

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



99.3510, -47.5990, 42.1690



67.7630, 112.5950, 57.4830



86.3090, 1.5220, -49.6300



95.5760, -89.9990, -15.4310

Rectangle

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



99.3510, -47.5990, 42.1690



77.0120, 82.2380, 84.5260



86.3090, 1.5220, -49.6300



84.3870, -59.8710, -43.8310

Sweetspot

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



99.3510, -47.5990, 42.1690



213.0590, -15.6830, 14.4050



180.1460, -83.5770, -32.7050



102.0070, -9.9050, 8.8070



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.



99.3510, -47.5990, 42.1690



84.8660, -64.5660, 57.8180



115.8510, -7.4840, 58.5640



102.2540, -3.5310, 3.4210



23.5860, -58.1460, 51.5980



6.6460, -15.9580, 13.8820

Inverse Universe

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



123.6260, 84.2190, 32.0830



118.2880, 114.8900, 43.4180



188.1490, 7.4840, -58.5640



104.2890, 6.5560, 2.3320



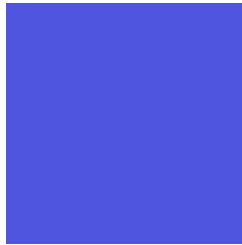
53.3080, 102.9700, 39.1780



14.5800, 27.9660, 10.7980

Previews

White Background



This preview shows how the YIQ color 99.3510, -47.5990, 42.1690 looks on a white background.

Color Contrast Check

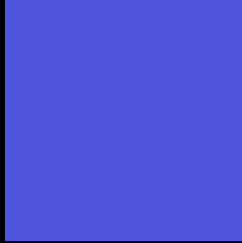
Large Text (above 18pt) WCAG AA ✓ Pass

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 99.3510, -47.5990, 42.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

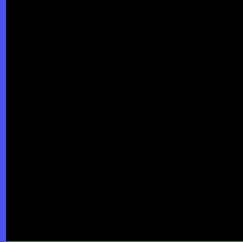
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 99.3510, -47.5990, 42.1690

Background



This preview shows how black text looks on a background with the YIQ color 99.3510, -47.5990, 42.1690.



This preview shows how white text looks on a background with the YIQ color 99.3510, -47.5990,

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

99.3510, -47.5990, 42.1690

Protanopia

81.9390, -94.3140, 13.2220

Deuteranopia

82.1550, -86.6550, 1.0650



Tritanopia

80.9400, -70.8330, -21.3690

Trichromacy



Original Color

99.3510, -47.5990, 42.1690

Protanomaly

88.2450, -77.2600, 23.5400

Deuteranomaly

88.5410, -72.5820, 15.8500

Tritanomaly

87.3720, -62.4010, 2.0390

Monochromacy



Original Color

99.3510, -47.5990, 42.1690

Achromatopsia

99.0000, -0.0000, 0.0000

Achromatomaly

99.1020, -17.2420, 15.1260

CSS Examples

Text

The CSS property to change the color of the text to YIQ 99.3510, -47.5990, 42.1690 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(80, 85, 224)` looks like.

```
.text, #text, p{  
    color:rgb(80, 85, 224)  
}
```

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(80, 85, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 85, 224) }
```

Border

The CSS property to change the border of an element to YIQ 99.3510, -47.5990, 42.1690 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(80, 85, 224) }
```


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

```
.border{ border-color:rgb(80, 85, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 85, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 85, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 85, 224);  
box-shadow:4px 4px 4px 4px rgb(80, 85,  
224) }
```

Background

The CSS property to change the background color of an element to YIQ 99.3510, -47.5990, 42.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 85, 224) }
```

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

```
.background{ background-color: rgb(80, 85,  
224) }
```

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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