

Converting Colors

YIQ(87.3570, -48.8770, 10.2510)

Have a look what the booklet for
YIQ(87.3570, -48.8770, 10.2510)
contains.

YIQ(87.3570, -48.8770, 10.2510)	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(87.3570, -48.8770,
10.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	2F5E9F
RGB	47, 94, 159
RGB Percent	18%, 37%, 62%
CMY	0.8157, 0.6313, 0.3767
CMYK	0.70, 0.41, 0.00, 0.38
HSL	215°, 54%, 40%
HSV	215°, 70%, 62%
XYZ	11.4285, 11.1139, 34.3154
YIQ	87.3570, -48.8770, 10.2510

Conversions

Conversions Part 2

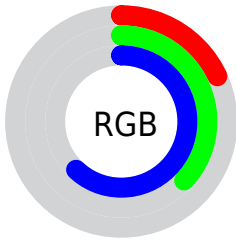
Format	Color
R_{YB}	47, 80, 159
Decimal	3104415
CIE _{Lab}	39.77, 6.39, -39.95
CIE _{LCh}	40, 40.455, 279.090
Yxy	11.1139, 0.2010, 0.1955
Android (android.graphics.Color)	4281294495 (0xFF2F5E9F)
YUV	87.3570, 35.3200, -35.3931
Hunter-Lab	33.3375, 2.8514, -37.6929

Details

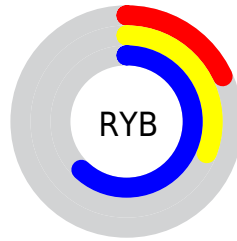
The YIQ color **87.3570, -48.8770, 10.2510** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **118.6430, 48.8770, -10.2510**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.6180, -45.1180, 13.7140**, and **40.9610, -47.8220, 7.6500** is the 20% darker color. If you saturate the color by 10%, you get **77.2900, -55.9380, 11.5660**, and if you desaturate by 10%, it is **97.4240, -41.8160, 8.9360**.

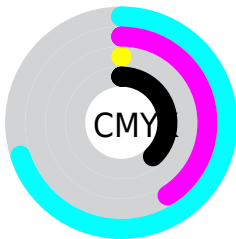
Distribution



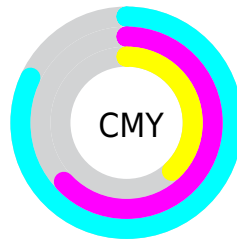
- Red (18%)
- Green (37%)
- Blue (62%)



- Red (18%)
- Yellow (31%)
- Blue (62%)



- Cyan (70%)
- Magenta (41%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (63%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.3570, -48.8770, 10.2510 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 87.3570, -48.8770, 10.2510 by changing the saturation by 10% instead.

■ 87.3570, -48.8770,
10.2510

■ 87.3570, -48.8770,
10.2510

■ 255.0000, -0.0000,
-0.0000

■ 56.8390, -62.2180,
4.2300

■ 140.6180,
-45.1180, 13.7140

■ 40.9610, -47.8220,
7.6500

■ 167.5580,
-44.8890, 15.0710

■ 26.3710, -34.2970,
10.3350

■ 194.0330,
-39.1570, 10.3070

■ 7.3130, -19.2140,
17.8260

■ 218.2540,
-29.8940, 2.1220

■ 5.2780, -12.1060,
10.1500

■ 244.2470,
-19.9890, -6.6850

■ 1.3680, -3.8520,
3.7320

■ 253.5050, -2.9800,

■ 0.0000, 0.0000,

-1.0600

0.0000

■ 87.3570, -48.8770,
10.2510

■ 87.3570, -48.8770,
10.2510

■ 77.2900, -55.9380,
11.5660

■ 97.4240, -41.8160,
8.9360

■ 67.2230, -62.9990,
12.8810

■ 107.4910,
-34.7550, 7.6210

■ 57.4550, -69.4640,
14.4080

■ 118.1450,
-27.9690, 5.7830

■ 128.2120,
-20.9080, 4.4680

■ 137.9800,
-14.4430, 2.9410

■ 148.0470, -7.3820,
1.6260

■ 158.7010, -0.5960,
-0.2120

■ 168.7680, 6.4650,
-1.5270

■ 178.8350, 13.5260,
-2.8420

Harmonies

Analogous

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



78.7180, -78.3550, -6.1870



87.3570, -48.8770, 10.2510



96.6680, -3.8560, 25.8400

Triad

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



87.3570, -48.8770, 10.2510



92.3840, 51.9450, 11.2490



71.2620, -51.8490, -35.0250

Complementary

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



87.3570, -48.8770, 10.2510



118.6430, 48.8770, -10.2510

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.



84.6410, -1.5080, -27.7480



87.3570, -48.8770, 10.2510



91.5980, 44.7500, -7.0420

Square

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



87.3570, -48.8770, 10.2510



92.7170, 47.1740, 26.1340



88.8850, 27.2840, -20.9080



76.3120, -63.3130, -25.4970

Rectangle

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



87.3570, -48.8770, 10.2510



96.6230, 18.3800, 30.3480



88.8850, 27.2840, -20.9080



78.9890, -28.9710, -31.1390

Sweetspot

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



87.3570, -48.8770, 10.2510



178.5820, -19.0740, 4.2700



119.9260, -51.0230, -38.9830



87.5350, -11.6920, 2.6440



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



87.3570, -48.8770, 10.2510



94.5020, -76.8460, 16.0340



61.8610, -31.7800, 36.3160



73.6730, -3.3930, 0.9190



51.5220, -62.4030, 13.0930



5.2320, -6.4650, 1.5270

Inverse Universe

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



85.8460, 51.6650, 38.3610



92.0600, 81.1420, 60.3260



143.8400, 31.1840, -36.5280



73.7340, 3.8050, 2.6290



49.5970, 65.9680, 48.9760



5.1690, 7.0140, 5.0460

Previews

White Background



This preview shows how the YIQ color 87.3570, -48.8770, 10.2510 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 87.3570, -48.8770, 10.2510 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 87.3570, -48.8770, 10.2510

Background



This preview shows how black text looks on a background with the YIQ color 87.3570, -48.8770, 10.2510.



This preview shows how white text looks on a background with the YIQ color 87.3570, -48.8770,

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

87.3570, -48.8770, 10.2510

Protanopia

90.9350, -35.7650, 14.9150

Deuteranopia

86.7590, -50.0690, 9.8270



Tritanopia

73.8160, -64.5520, -19.5600

Trichromacy



Original Color

87.3570, -48.8770, 10.2510

Protanomaly

89.5430, -40.5330, 13.2190

Deuteranomaly

87.0580, -49.4730, 10.0390

Tritanomaly

78.4890, -58.7770, -8.5770

Monochromacy



Original Color

87.3570, -48.8770, 10.2510

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.2400, -18.1110, 3.3370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.3570, -48.8770, 10.2510 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(47, 94, 159)` looks like.

```
.text, #text, p{  
    color:rgb(47, 94, 159)  
}
```

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(47, 94, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 94, 159) }
```

Border

The CSS property to change the border of an element to YIQ 87.3570, -48.8770, 10.2510 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(47, 94, 159) }
```


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

```
.border{ border-color:rgb(47, 94, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 94, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 94, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 94, 159);  
box-shadow:4px 4px 4px 4px rgb(47, 94,  
159) }
```

Background

The CSS property to change the background color of an element to YIQ 87.3570, -48.8770, 10.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 94, 159) }
```

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

```
.background{ background-color: rgb(47, 94,  
159) }
```

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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