

Converting Colors

YIQ(49.9580, -42.5990, 28.6410)

Have a look what the booklet for
YIQ(49.9580, -42.5990, 28.6410)
contains.

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Color

**YIQ(49.9580, -42.5990,
28.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	1B2B92
RGB	27, 43, 146
RGB Percent	11%, 17%, 57%
CMY	0.8941, 0.8313, 0.4277
CMYK	0.81, 0.71, 0.00, 0.43
HSL	232°, 69%, 34%
HSV	232°, 81%, 57%
XYZ	6.4997, 4.0347, 27.6045
YIQ	49.9580, -42.5990, 28.6410

Conversions

Conversions Part 2

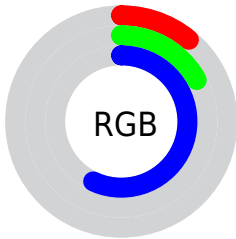
Format	Color
R_{YB}	27, 41, 146
Decimal	1780626
CIE _{Lab}	23.79, 32.98, -57.99
CIE _{LCh}	24, 66.705, 299.626
Yxy	4.0347, 0.1704, 0.1058
Android (android.graphics.Color)	4279970706 (0xFF1B2B92)
YUV	49.9580, 47.3487, -20.1342
Hunter-Lab	20.0866, 22.6079, -67.4200




Details

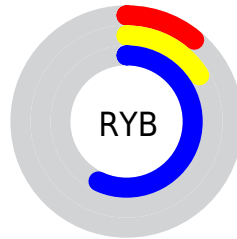
The YIQ color **49.9580, -42.5990, 28.6410** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **123.0420, 42.5990, -28.6410**, and the grayscale version is **50.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **103.2630, -32.9720, 35.8920**, and **10.7160, -30.1740, 29.2340** is the 20% darker color. If you saturate the color by 10%, you get **37.8420, -47.9640, 32.2600**, and if you desaturate by 10%, it is **62.0740, -37.2340, 25.0220**.

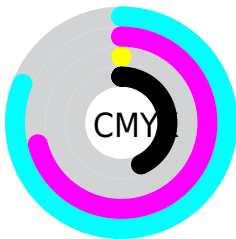
Distribution







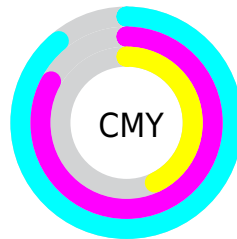
-  Red (11%)
-  Green (17%)
-  Blue (57%)






-  Red (11%)
-  Yellow (16%)
-  Blue (57%)



-  Cyan (81%)
-  Magenta (71%)
-  Yellow (0%)
-  Black (43%)



-  Cyan (89%)
-  Magenta (83%)
-  Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.9580, -42.5990, 28.6410 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 49.9580, -42.5990, 28.6410 by changing the saturation by 10% instead.

■ 49.9580, -42.5990,
28.6410

■ 49.9580, -42.5990,
28.6410

■ 255.0000, -0.0000,
-0.0000

■ 26.5940, -44.5700,
25.8140

■ 103.2630,
-32.9720, 35.8920

■ 10.7160, -30.1740,
29.2340

■ 129.2140,
-31.2760, 38.1960

■ 9.7410, -23.2950,
20.2010

■ 155.8120,
-30.0840, 38.6200

■ 7.5920, -15.8660,
12.2140

■ 179.7450,
-19.9500, 31.1700

■ 3.4370, -8.3000,
7.2520

■ 205.1510, -9.7700,
22.8860

■ 0.0000, 0.0000,
0.0000

■ 230.2580, -0.1860,

14.3900

251.4780, 1.6500,
3.1380

49.9580, -42.5990,
28.6410

49.9580, -42.5990,
28.6410

37.8420, -47.9640,
32.2600

62.0740, -37.2340,
25.0220

28.3840, -52.3660,
34.9460

73.3040, -32.1900,
21.7140

85.4200, -26.8250,
18.0950

97.2370, -22.0560,
14.2640

108.7660,
-16.4160, 11.1680

■ 120.8820,
-11.0510, 7.5490

■ 132.1120, -6.0070,
4.2410

■ 144.2280, -0.6420,
0.6220

■ 156.0450, 4.1270,
-3.2090

Harmonies

Analogous

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



56.3950, -69.2350, 15.7650



49.9580, -42.5990, 28.6410



45.8000, 32.0840, 57.3320

Triad

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



49.9580, -42.5990, 28.6410



49.3150, 56.3930, 7.7290



49.7080, -38.0050, -21.5970

Complementary

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



49.9580, -42.5990, 28.6410



123.0420, 42.5990, -28.6410

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.



42.2640, -19.8000, -37.6560



49.9580, -42.5990, 28.6410



53.5140, 27.1910, -13.7130

Square

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



49.9580, -42.5990, 28.6410



40.7930, 76.3790, 30.9950



42.6180, -11.8690, -32.7090



56.1090, -54.6510, -6.2590

Rectangle

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



49.9580, -42.5990, 28.6410



48.1320, 54.2760, 51.6200



42.6180, -11.8690, -32.7090



47.6560, -32.2270, -27.1950

Sweetspot

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



49.9580, -42.5990, 28.6410



152.3530, -16.6910, 10.6450



108.3670, -65.1460, -30.8260



72.4260, -9.7670, 6.3050



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



49.9580, -42.5990, 28.6410



39.7650, -66.2600, 44.4600



53.1240, -13.1670, 45.9130



68.3850, -2.5220, 1.6540



26.8850, -49.5230, 32.9810



1.7270, -3.4850, 2.5870

Inverse Universe

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



64.4050, 65.7880, 30.2040



62.1650, 102.2350, 46.9950



119.8760, 13.1670, -45.9130



69.2070, 3.8510, 1.7950



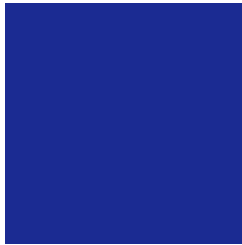
43.4280, 76.1490, 35.1650



3.1040, 5.6390, 2.4310

Previews

White Background



This preview shows how the YIQ color 49.9580, -42.5990, 28.6410 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 49.9580, -42.5990, 28.6410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

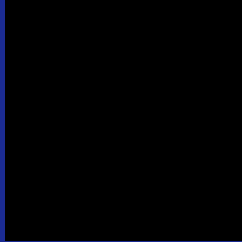
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.9580, -42.5990, 28.6410

Background



This preview shows how black text looks on a background with the YIQ color 49.9580, -42.5990, 28.6410.



This preview shows how white text looks on a background with the YIQ color 49.9580, -42.5990,

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

49.9580, -42.5990, 28.6410

Deuteranopia

45.9190, -48.0040, -0.0680

Tritanopia

44.6190, -38.8320, -12.1120

Trichromacy



Original Color

49.9580, -42.5990, 28.6410

Deuteranomaly

47.3250, -45.8510, 10.4770

Tritanomaly

46.8060, -40.2560, 2.6880

Monochromacy



Original Color

49.9580, -42.5990, 28.6410

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8370, -15.1780, 10.7580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.9580, -42.5990, 28.6410 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(27, 43, 146)` looks like.

```
.text, #text, p{  
    color:rgb(27, 43, 146)  
}
```

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(27, 43, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 43, 146) }
```

Border

The CSS property to change the border of an element to YIQ 49.9580, -42.5990, 28.6410 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(27, 43, 146) }
```

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

```
.border{ border-color:rgb(27, 43, 146) }
```

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

Here you see how a box with a 4 pixel rgb(27, 43, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 43, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 43, 146);  
box-shadow:4px 4px 4px 4px rgb(27, 43,  
146) }
```


Background

The CSS property to change the background color of an element to YIQ 49.9580, -42.5990, 28.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 43, 146) }
```

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

```
.background{ background-color: rgb(27, 43,  
146) }
```

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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