

Converting Colors

YIQ(48.8390, -42.7410, 53.2510)

Have a look what the booklet for
YIQ(48.8390, -42.7410, 53.2510)
contains.

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Color

**YIQ(48.8390, -42.7410,
53.2510)**

Conversions

Conversions Part 1

Format	Color
Hex	291ABB
RGB	41, 26, 187
RGB Percent	16%, 10%, 73%
CMY	0.8390, 0.8981, 0.2670
CMYK	0.78, 0.86, 0.00, 0.27
HSL	246°, 76%, 42%
HSV	246°, 86%, 73%
XYZ	10.2467, 4.7953, 47.3571
YIQ	48.8390, -42.7410, 53.2510

Conversions

Conversions Part 2

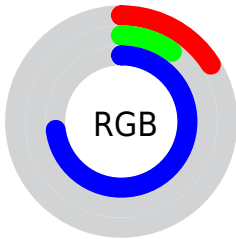
Format	Color
R_{YB}	41, 26, 187
Decimal	2693819
CIE _{Lab}	26.14, 56.32, -78.87
CIE _{LCh}	26, 96.913, 305.527
Yxy	4.7953, 0.1642, 0.0768
Android (android.graphics.Color)	4280883899 (0xFF291ABB)
YUV	48.8390, 68.1134, -6.8748
Hunter-Lab	21.8982, 45.2028, -112.8922

Details

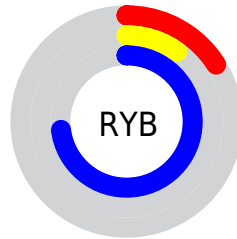
The YIQ color **48.8390, -42.7410, 53.2510** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **164.1610, 42.7410, -53.2510**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **106.9160, -32.4720, 59.8800**, and **15.0480, -42.3720, 41.0520** is the 20% darker color. If you saturate the color by 10%, you get **32.6030, -47.6480, 59.5840**, and if you desaturate by 10%, it is **65.0750, -37.8340, 46.9180**.

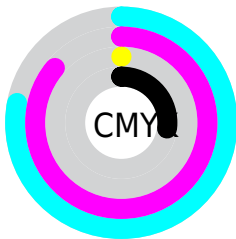
Distribution



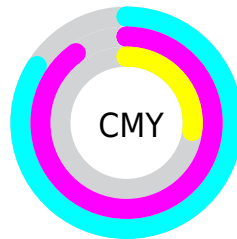
- Red (16%)
- Green (10%)
- Blue (73%)



- Red (16%)
- Yellow (10%)
- Blue (73%)



- Cyan (78%)
- Magenta (86%)
- Yellow (0%)
- Black (27%)



- Cyan (84%)
- Magenta (90%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.8390, -42.7410, 53.2510 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 48.8390, -42.7410, 53.2510 by changing the saturation by 10% instead.

■ 48.8390, -42.7410,
53.2510

■ 48.8390, -42.7410,
53.2510

■ 255.0000, -0.0000,
-0.0000

■ 18.1260, -51.0390,
49.4490

■ 106.9160,
-32.4720, 59.8800

■ 15.0480, -42.3720,
41.0520

■ 132.2990,
-23.4850, 56.6990

■ 12.0840, -34.0260,
32.9660

■ 156.5310,
-12.7550, 49.4610

■ 14.9900, -28.4300,
19.6500

■ 181.6490, -1.7040,
41.9120

■ 9.3190, -19.3510,
14.8010

■ 207.3540, 9.0720,
33.8400


■ 5.0500, -11.4640,
9.5280

■ 229.1720, 12.1000,


■ 0.9120, -2.5680,


23.0120


2.4880


 246.1950, 4.1250,
7.8450


 0.0000, 0.0000,
0.0000


 48.8390, -42.7410,
53.2510


 48.8390, -42.7410,
53.2510


 32.6030, -47.6480,
59.5840


 65.0750, -37.8340,
46.9180

 26.4010, -49.8950,
61.7610

 80.7240, -32.6520,
41.1080

 96.9600, -27.7450,
34.7750

 113.1960,
-22.8380, 28.4420

 128.8450,
-17.6560, 22.6320

■ 145.0810,
-12.7490, 16.2990

■ 161.3170, -7.8420,
9.9660

■ 177.5530, -2.9350,
3.6330

■ 193.2020, 2.2470,
-2.1770

Harmonies

Analogous

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



67.4750, -89.4110, 28.9970



48.8390, -42.7410, 53.2510



59.6980, 50.4670, 71.0990

Triad

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



48.8390, -42.7410, 53.2510



51.1530, 65.8370, 12.7890



57.8580, -47.1750, -20.6070

Complementary

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



48.8390, -42.7410, 53.2510



164.1610, 42.7410, -53.2510

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.



48.1340, -22.5500, -42.8860



48.8390, -42.7410, 53.2510



57.5900, 20.8650, -20.2150

Square

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



48.8390, -42.7410, 53.2510



48.4380, 96.5520, 34.3440



45.7860, -21.4500, -40.7940



67.4680, -71.4790, 1.3610

Rectangle

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



48.8390, -42.7410, 53.2510



60.8040, 78.9870, 60.8350



45.7860, -21.4500, -40.7940



54.8940, -38.8290, -28.6930

Sweetspot

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



48.8390, -42.7410, 53.2510



187.9760, -16.6470, 20.8650



131.2300, -92.3810, -27.3330



89.5280, -9.8140, 12.6660



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



48.8390, -42.7410, 53.2510



34.4650, -63.9740, 80.1380



72.4600, 4.3430, 69.9990



86.3250, -2.2930, 3.0110



22.4970, -41.7780, 52.3180



4.4310, -8.1630, 10.2770

Inverse Universe

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



90.7830, 49.0900, 79.5380



97.4380, 73.6120, 119.7240



140.5400, -4.3430, -69.9990



88.6030, 2.7960, 4.3960



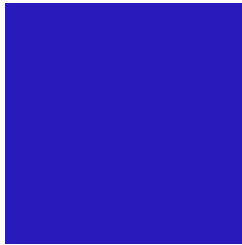
63.5440, 48.2650, 77.9690



12.4610, 9.4880, 15.2800

Previews

White Background



This preview shows how the YIQ color 48.8390, -42.7410, 53.2510 looks on a white background.

Color Contrast Check

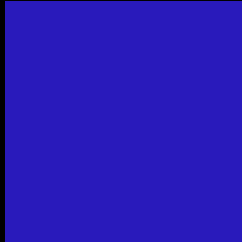
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 48.8390, -42.7410, 53.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

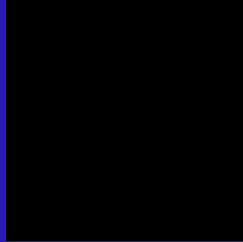
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.8390, -42.7410, 53.2510

Background



This preview shows how black text looks on a background with the YIQ color 48.8390, -42.7410, 53.2510.



This preview shows how white text looks on a background with the YIQ color 48.8390, -42.7410,

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

48.8390, -42.7410, 53.2510

Protanopia

49.5840, -56.9460, 7.8060

Deuteranopia

49.7660, -51.9470, -0.1950



Tritanopia

48.8250, -42.4080, -13.3840

Trichromacy



Original Color

48.8390, -42.7410, 53.2510

Protanomaly

49.5330, -51.7680, 24.1040

Deuteranomaly

49.3390, -48.4660, 19.3260

Tritanomaly

48.5920, -42.2290, 10.9150

Monochromacy



Original Color

48.8390, -42.7410, 53.2510

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.1070, -15.6380, 19.0980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.8390, -42.7410, 53.2510 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(41, 26, 187)` looks like.

```
.text, #text, p{  
    color:rgb(41, 26, 187)  
}
```

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(41, 26, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 26, 187) }
```

Border

The CSS property to change the border of an element to YIQ 48.8390, -42.7410, 53.2510 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(41, 26, 187) }
```


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

```
.border{ border-color:rgb(41, 26, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 26, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 26, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 26, 187);  
box-shadow:4px 4px 4px 4px rgb(41, 26,  
187) }
```

Background

The CSS property to change the background color of an element to YIQ 48.8390, -42.7410, 53.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 26, 187) }
```

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

```
.background{ background-color: rgb(41, 26,  
187) }
```

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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