

Converting Colors

YIQ(48.5090, -42.0520, 46.2680)

Have a look what the booklet for
YIQ(48.5090, -42.0520, 46.2680)
contains.

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Color

**YIQ(48.5090, -42.0520,
46.2680)**

Conversions

Conversions Part 1

Format	Color
Hex	251EAE
RGB	37, 30, 174
RGB Percent	15%, 12%, 68%
CMY	0.8548, 0.8824, 0.3179
CMYK	0.79, 0.83, 0.00, 0.32
HSL	243°, 71%, 40%
HSV	243°, 83%, 68%
XYZ	8.8612, 4.3755, 40.3856
YIQ	48.5090, -42.0520, 46.2680

Conversions

Conversions Part 2

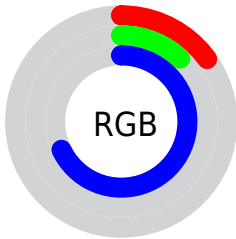
Format	Color
R_{YB}	37, 30, 174
Decimal	2432686
CIE Lab	24.88, 50.53, -73.22
CIE LCh	25, 88.966, 304.609
Yxy	4.3755, 0.1653, 0.0816
Android (android.graphics.Color)	4280622766 (0xFF251EAE)
YUV	48.5090, 61.8671, -10.0934
Hunter-Lab	20.9176, 39.0111, -99.8290

Details

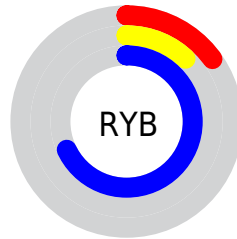
The YIQ color **48.5090, -42.0520, 46.2680** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **155.4910, 42.0520, -46.2680**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.9990, -31.5080, 53.4200**, and **13.6800, -38.5200, 37.3200** is the 20% darker color. If you saturate the color by 10%, you get **33.4470, -47.5090, 51.5550**, and if you desaturate by 10%, it is **63.5710, -36.5950, 40.9810**.

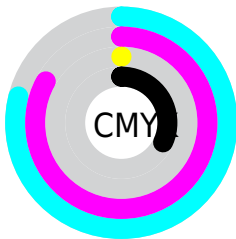
Distribution



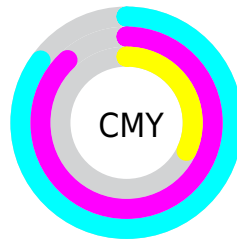
- Red (15%)
- Green (12%)
- Blue (68%)



- Red (15%)
- Yellow (12%)
- Blue (68%)



- Cyan (79%)
- Magenta (83%)
- Yellow (0%)
- Black (32%)



- Cyan (85%)
- Magenta (88%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.5090, -42.0520, 46.2680 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 48.5090, -42.0520, 46.2680 by changing the saturation by 10% instead.

■ 48.5090, -42.0520,
46.2680

■ 48.5090, -42.0520,
46.2680

■ 255.0000, -0.0000,
-0.0000

■ 19.1060, -48.2870,
43.6250

■ 104.9990,
-31.5080, 53.4200

■ 13.6800, -38.5200,
37.3200

■ 131.3800,
-28.2070, 54.1690

■ 10.7160, -30.1740,
29.2340

■ 155.6120,
-17.4770, 46.9310

■ 12.5620, -24.3490,
17.2750

■ 179.8440, -6.7470,
39.6930

■ 7.5920, -15.8660,
12.2140

■ 205.5490, 4.0290,
31.6210

■ 3.3230, -7.9790,
6.9410

■ 229.7590, 11.8250,

■ 0.0000, 0.0000,

22.4890

0.0000

246.1950, 4.1250,
7.8450

48.5090, -42.0520,
46.2680

48.5090, -42.0520,
46.2680

33.4470, -47.5090,
51.5550

63.5710, -36.5950,
40.9810

22.5270, -50.4900,
56.0220

78.9210, -32.0090,
34.9590

93.9830, -26.5520,
29.6720

109.3330,
-21.9660, 23.6500

124.3950,
-16.5090, 18.3630

■ 139.1580,
-11.6480, 12.8640

■ 154.8070, -6.4660,
7.0540

■ 169.5700, -1.6050,
1.5550

■ 185.2190, 3.5770,
-4.2550

Harmonies

Analogous

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



63.1890, -82.8540, 25.8020



48.5090, -42.0520, 46.2680



55.3120, 45.5620, 66.3780

Triad

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



48.5090, -42.0520, 46.2680



49.3590, 62.2610, 11.5170



54.7120, -43.8280, -20.6920

Complementary

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



48.5090, -42.0520, 46.2680



155.4910, 42.0520, -46.2680

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.



45.7860, -21.4500, -40.7940



48.5090, -42.0520, 46.2680



54.9430, 21.3690, -18.3350

Square

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



48.5090, -42.0520, 46.2680



45.4480, 90.5920, 32.2240



42.8510, -20.0750, -38.1790



63.6380, -66.2060, -0.5900

Rectangle

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



48.5090, -42.0520, 46.2680



56.6890, 71.8810, 57.4570



42.8510, -20.0750, -38.1790



51.5030, -36.1700, -27.3220

Sweetspot

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



48.5090, -42.0520, 46.2680



177.3950, -16.5090, 18.3630



128.0090, -84.4490, -27.9130



84.5880, -10.0430, 11.3090



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



48.5090, -42.0520, 46.2680



30.9390, -65.6690, 72.3070



69.4390, -0.3320, 61.1080



79.0260, -2.8890, 2.7990



19.1930, -43.9780, 48.1340



2.9210, -6.7870, 7.3650

Inverse Universe

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



88.6740, 41.8470, 73.1350



93.6710, 65.4060, 114.2540



134.5610, 0.3320, -61.1080



81.6030, 2.7960, 4.3960



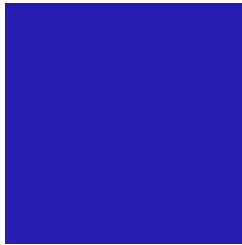
61.1520, 43.4970, 76.2730



9.3850, 6.6460, 11.7180

Previews

White Background



This preview shows how the YIQ color 48.5090, -42.0520, 46.2680 looks on a white background.

Color Contrast Check

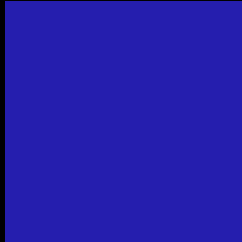
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5090, -42.0520, 46.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

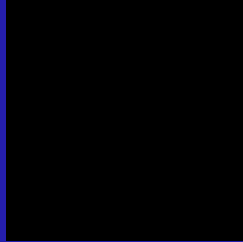
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.5090, -42.0520, 46.2680

Background



This preview shows how black text looks on a background with the YIQ color 48.5090, -42.0520, 46.2680.



This preview shows how white text looks on a background with the YIQ color 48.5090, -42.0520,

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

48.5090, -42.0520, 46.2680

Protanopia

47.2530, -54.5160, 7.8200

Tritanopia

46.7220, -40.6200, -12.7480

Trichromacy



Original Color

48.5090, -42.0520, 46.2680

Protanomaly

47.4360, -50.1170, 21.7150

Tritanomaly

47.3100, -41.4950, 8.6250

Monochromacy



Original Color

48.5090, -42.0520, 46.2680

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.8250, -14.9040, 16.8080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.5090, -42.0520, 46.2680 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(37, 30, 174)` looks like.

```
.text, #text, p{  
    color:rgb(37, 30, 174)  
}
```

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(37, 30, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 30, 174) }
```

Border

The CSS property to change the border of an element to YIQ 48.5090, -42.0520, 46.2680 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(37, 30, 174) }
```

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

```
.border{ border-color:rgb(37, 30, 174) }
```

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

Here you see how a box with a 4 pixel rgb(37, 30, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 30, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 30, 174);  
box-shadow:4px 4px 4px 4px rgb(37, 30,  
174) }
```


Background

The CSS property to change the background color of an element to YIQ 48.5090, -42.0520, 46.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 30, 174) }
```

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

```
.background{ background-color: rgb(37, 30,  
174) }
```

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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