

Converting Colors

YIQ(46.5240, -47.5490, 19.2270)

Have a look what the booklet for
YIQ(46.5240, -47.5490, 19.2270)
contains.

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Color

**YIQ(46.5240, -47.5490,
19.2270)**

Conversions

Conversions Part 1

Format	Color
Hex	0D2F84
RGB	13, 47, 132
RGB Percent	5%, 18%, 52%
CMY	0.9490, 0.8156, 0.4826
CMYK	0.90, 0.64, 0.00, 0.48
HSL	223°, 82%, 28%
HSV	223°, 90%, 52%
XYZ	5.3434, 3.7839, 22.2552
YIQ	46.5240, -47.5490, 19.2270

Conversions

Conversions Part 2

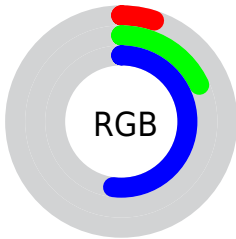
Format	Color
R_{YB}	13, 39, 132
Decimal	864132
CIE _{Lab}	22.94, 23.68, -50.67
CIE _{LCh}	23, 55.928, 295.050
Yxy	3.7839, 0.1703, 0.1206
Android (android.graphics.Color)	4279054212 (0xFF0D2F84)
YUV	46.5240, 42.1397, -29.4005
Hunter-Lab	19.4522, 14.9915, -54.2172

Details

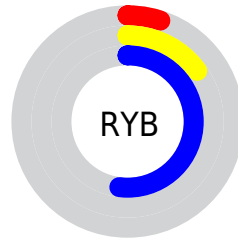
The YIQ color **46.5240, -47.5490, 19.2270** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **98.4760, 47.5490, -19.2270**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **100.0250, -35.5380, 27.3260**, and **10.9950, -26.8260, 23.6220** is the 20% darker color. If you saturate the color by 10%, you get **37.3540, -52.8220, 21.1780**, and if you desaturate by 10%, it is **55.6940, -42.2760, 17.2760**.

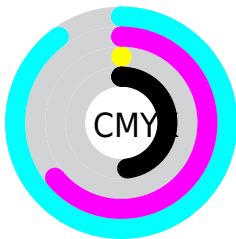
Distribution



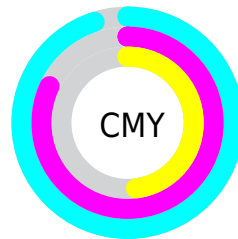
- Red (5%)
- Green (18%)
- Blue (52%)



- Red (5%)
- Yellow (15%)
- Blue (52%)



- Cyan (90%)
- Magenta (64%)
- Yellow (0%)
- Black (48%)



- Cyan (95%)
- Magenta (82%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.5240, -47.5490, 19.2270 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 46.5240, -47.5490, 19.2270 by changing the saturation by 10% instead.

■ 46.5240, -47.5490,
19.2270

■ 46.5240, -47.5490,
19.2270

■ 255.0000, -0.0000,
-0.0000

■ 27.9330, -41.4510,
18.8450

■ 100.0250,
-35.5380, 27.3260

■ 10.9950, -26.8260,
23.6220

■ 126.2640,
-34.7130, 28.8950

■ 9.4330, -19.6720,
15.1120

■ 153.5030,
-33.8880, 30.4640

■ 5.1640, -11.7850,
9.8390

■ 178.5050,
-28.2020, 26.5340

■ 1.1400, -3.2100,
3.1100

■ 203.0250,
-18.3430, 18.5610

■ 0.0000, 0.0000,
0.0000

■ 228.1320, -8.7590,

10.0650

253.8260, 0.5500,
1.0460

■ 46.5240, -47.5490,
19.2270

■ 46.5240, -47.5490,
19.2270

■ 37.3540, -52.8220,
21.1780

■ 55.6940, -42.2760,
17.2760

■ 65.4510, -37.2780,
14.8020

■ 74.9200, -31.4090,
13.0630

■ 84.6770, -26.4110,
10.5890

■ 93.8470, -21.1380,
8.6380

■ 103.6040,
-16.1400, 6.1640

■ 112.7740,
-10.8670, 4.2130

■ 122.2430, -4.9980,
2.4740

■ 132.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



52.9410, -62.2650, 10.5910



46.5240, -47.5490, 19.2270



49.2510, 20.0280, 44.5400

Triad

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



46.5240, -47.5490, 19.2270



48.1190, 54.0090, 6.8810



46.3340, -34.0160, -22.3040

Complementary

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



46.5240, -47.5490, 19.2270



98.4760, 47.5490, -19.2270

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.



39.9160, -18.7000, -35.5640



46.5240, -47.5490, 19.2270



52.0630, 30.0790, -10.9850

Square

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



46.5240, -47.5490, 19.2270



39.1000, 65.3290, 33.0170



46.5600, 3.2140, -25.2180



51.8230, -48.0940, -9.4540

Rectangle

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



46.5240, -47.5490, 19.2270



43.4620, 44.4190, 48.5390



46.5600, 3.2140, -25.2180



44.6240, -29.2010, -26.9690

Sweetspot

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



46.5240, -47.5490, 19.2270



137.8750, -18.3410, 7.5070



92.3150, -59.3680, -36.4240



66.8880, -11.1880, 4.5240



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



46.5240, -47.5490, 19.2270



48.2570, -68.3660, 27.5540



33.7420, -23.8950, 42.0970



61.8580, -2.4760, 0.8200



36.5390, -51.9050, 21.0790



0.9290, -1.2380, 0.4100

Inverse Universe

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



52.4570, 60.0100, 35.8020



56.7150, 86.1870, 51.4910



111.2580, 23.8950, -42.0970



62.0220, 2.9340, 1.8940



43.0880, 65.6030, 39.0670



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 46.5240, -47.5490, 19.2270 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 46.5240, -47.5490, 19.2270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

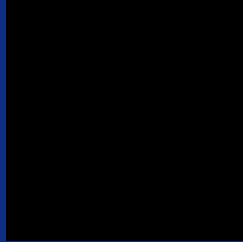
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.5240, -47.5490, 19.2270

Background



This preview shows how black text looks on a background with the YIQ color 46.5240, -47.5490, 19.2270.



This preview shows how white text looks on a background with the YIQ color 46.5240, -47.5490,

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

46.5240, -47.5490, 19.2270

Protanopia

43.8790, -50.5270, 7.1130

Deuteranopia

44.4030, -46.4910, 0.0450



Tritanopia

43.2170, -37.6400, -11.6880

Trichromacy



Original Color

46.5240, -47.5490, 19.2270

Protanomaly

44.9980, -49.2440, 11.3960

Deuteranomaly

45.0320, -46.5840, 7.2400

Tritanomaly

44.5130, -40.9890, -0.5490

Monochromacy



Original Color

46.5240, -47.5490, 19.2270

Achromatopsia

47.0000, 0.0000, 0.0000

Achromatomaly

46.9460, -17.1030, 7.0970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.5240, -47.5490, 19.2270 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(13, 47, 132)` looks like.

```
.text, #text, p{  
    color:rgb(13, 47, 132)  
}
```

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(13, 47, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 47, 132) }
```

Border

The CSS property to change the border of an element to YIQ 46.5240, -47.5490, 19.2270 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(13, 47, 132) }
```


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

```
.border{ border-color:rgb(13, 47, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 47, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 47, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 47, 132);  
box-shadow:4px 4px 4px 4px rgb(13, 47,  
132) }
```

Background

The CSS property to change the background color of an element to YIQ 46.5240, -47.5490, 19.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 47, 132) }
```

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

```
.background{ background-color: rgb(13, 47,  
132) }
```

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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