

# Converting Colors

YIQ(30.9220, -15.4140, 48.0900)

Have a look what the booklet for  
YIQ(30.9220, -15.4140, 48.0900)  
contains.

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# Color

**YIQ(30.9220, -15.4140,  
48.0900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E0482
RGB	46, 4, 130
RGB Percent	18%, 2%, 51%
CMY	0.8194, 0.9844, 0.4904
CMYK	0.65, 0.97, 0.00, 0.49
HSL	260°, 94%, 26%
HSV	260°, 97%, 51%
XYZ	5.1985, 2.2790, 21.2707
YIQ	30.9220, -15.4140, 48.0900

# Conversions

## Conversions Part 2

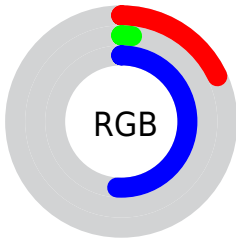
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 4, 130
Decimal	3015810
CIE <sub>Lab</sub>	16.89, 48.04, -59.34
CIE <sub>LCh</sub>	17, 76.349, 308.988
Yxy	2.2790, 0.1808, 0.0793
Android (android.graphics.Color)	4281205890 (0xFF2E0482)
YUV	30.9220, 48.8455, 13.2234
Hunter-Lab	15.0963, 35.0496, -72.9726




# Details

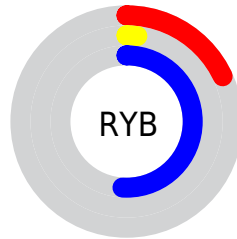
The YIQ color **30.9220, -15.4140, 48.0900** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **103.0780, 15.4140, -48.0900**, and the grayscale version is **30.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **86.4170, -12.4340, 49.1500**, and **9.0060, -25.3590, 24.5690** is the 20% darker color. If you saturate the color by 10%, you get **27.6770, -16.1020, 49.5460**, and if you desaturate by 10%, it is **41.2440, -13.6250, 43.1990**.

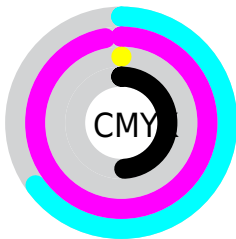
# Distribution







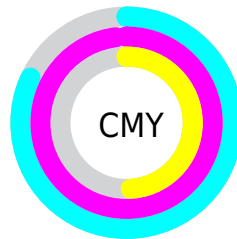
-  Red (18%)
-  Green (2%)
-  Blue (51%)






-  Red (18%)
-  Yellow (2%)
-  Blue (51%)



-  Cyan (65%)
-  Magenta (97%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (82%)
-  Magenta (98%)
-  Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 30.9220, -15.4140, 48.0900 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 30.9220, -15.4140, 48.0900 by changing the saturation by 10% instead.



■ 30.9220, -15.4140,  
48.0900

■ 30.9220, -15.4140,  
48.0900

■ 249.7170, 2.4750,  
4.7070

■ 12.4540, -32.1920,  
32.7680

■ 86.4170, -12.4340,  
49.1500

■ 9.0060, -25.3590,  
24.5690

■ 112.6560,  
-11.6090, 50.7190

■ 9.2050, -19.0300,  
14.4900

■ 139.3080,  
-10.5090, 52.8110

■ 4.9360, -11.1430,  
9.2170

■ 165.4240, -5.1440,  
49.1920

■ 0.5700, -1.6050,  
1.5550

■ 189.3570, 4.9900,  
41.7420

■ 0.0000, 0.0000,  
0.0000

■ 214.7630, 15.1700,

33.4580

232.6940, 10.4500,  
19.8740

30.9220, -15.4140,  
48.0900

30.9220, -15.4140,  
48.0900

27.6770, -16.1020,  
49.5460

41.2440, -13.6250,  
43.1990

51.2670, -12.4320,  
38.0960

61.5890, -10.6430,  
33.2050

71.9110, -8.8540,  
28.3140

81.9340, -7.6610,  
23.2110

■ 92.2560, -5.8720,  
18.3200

■ 102.5780, -4.0830,  
13.4290

■ 112.6010, -2.8900,  
8.3260

■ 122.9230, -1.1010,  
3.4350

# Harmonies

## Analogous

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



45.8460, -62.9550, 23.1010



30.9220, -15.4140, 48.0900



42.8360, 40.4300, 49.2460

# Triad

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



30.9220, -15.4140, 48.0900



36.2580, 43.3720, 6.9240



41.8320, -35.1180, -13.3420

# Complementary

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



30.9220, -15.4140, 48.0900



103.0780, 15.4140, -48.0900

# 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.



34.0460, -15.9500, -30.3340



30.9220, -15.4140, 48.0900



37.4780, 9.6770, -15.6910

# Square

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



30.9220, -15.4140, 48.0900



33.7870, 67.3480, 23.9560



31.6980, -14.8500, -28.2420



48.5750, -52.7270, 2.9290



# Rectangle

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



30.9220, -15.4140, 48.0900



43.0320, 60.0090, 41.3290



31.6980, -14.8500, -28.2420



38.9650, -28.4230, -19.0390

# Sweetspot

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



30.9220, -15.4140, 48.0900



129.6690, -5.5970, 18.8430



67.6720, -63.5460, -4.7460



61.2960, -3.3490, 11.1390



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



30.9220, -15.4140, 48.0900



35.8960, -20.5520, 64.1200



49.7590, 22.1340, 61.4460



58.6950, -0.4590, 2.8130



27.4490, -15.4600, 48.9240



0.0000, 0.0000, 0.0000



# Inverse Universe

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



51.2500, 48.1320, 52.8360



63.0000, 64.1760, 70.4480



84.2410, -22.1340, -61.4460



59.6630, 2.5670, 3.0390



47.9620, 49.0030, 53.5710

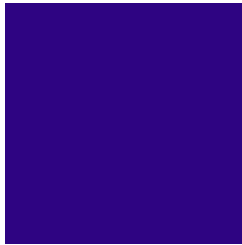


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 30.9220, -15.4140, 48.0900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

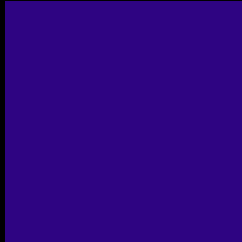
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 30.9220, -15.4140, 48.0900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

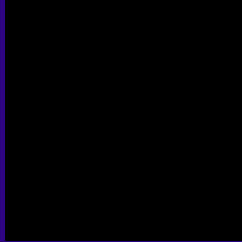
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 30.9220, -15.4140, 48.0900

## Background



This preview shows how black text looks on a background with the YIQ color 30.9220, -15.4140, 48.0900.



This preview shows how white text looks on a background with the YIQ color 30.9220, -15.4140,



# 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

30.9220, -15.4140, 48.0900

### Protanopia

35.5010, -40.7150, 5.5010

### Deuteranopia

35.7800, -37.3670, -0.1110



## Tritanopia

34.8050, -30.4880, -9.1440

# Trichromacy



## Original Color

30.9220, -15.4140, 48.0900

## Protanomaly

34.0760, -31.5480, 21.0920

## Deuteranomaly

34.2240, -29.2090, 17.2470

## Tritanomaly

33.6880, -24.9440, 11.5360

# Monochromacy



## Original Color

30.9220, -15.4140, 48.0900

## Achromatopsia

31.0000, -0.0000, -0.0000

## Achromatomaly

30.7290, -5.8260, 17.4860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 30.9220, -15.4140, 48.0900 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(46, 4, 130)` looks like.

```
.text, #text, p{  
    color:rgb(46, 4, 130)  
}
```

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(46, 4, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 4, 130) }
```

## Border

The CSS property to change the border of an element to YIQ 30.9220, -15.4140, 48.0900 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(46, 4, 130) }
```



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

```
.border{ border-color:rgb(46, 4, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 4, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 4, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 4, 130);  
box-shadow:4px 4px 4px 4px rgb(46, 4, 130)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 30.9220, -15.4140, 48.0900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 4, 130) }
```

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

```
.background{ background-color: rgb(46, 4,  
130) }
```

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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