

Converting Colors

YIQ(46.2190, 21.9130, 15.8730)

Have a look what the booklet for
YIQ(46.2190, 21.9130, 15.8730)
contains.

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Color

**YIQ(46.2190, 21.9130,
15.8730)**

Conversions

Conversions Part 1

Format	Color
Hex	4D1E31
RGB	77, 30, 49
RGB Percent	30%, 12%, 19%
CMY	0.6979, 0.8824, 0.8078
CMYK	0.00, 0.61, 0.36, 0.70
HSL	336°, 44%, 21%
HSV	336°, 61%, 30%
XYZ	4.0817, 2.7285, 3.2193
YIQ	46.2190, 21.9130, 15.8730

Conversions

Conversions Part 2

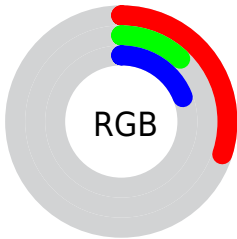
Format	Color
R_{YB}	77, 30, 49
Decimal	5054001
CIE Lab	18.92, 24.57, -1.63
CIE LCh	19, 24.621, 356.196
Yxy	2.7285, 0.4070, 0.2721
Android (android.graphics.Color)	4283244081 (0xFF4D1E31)
YUV	46.2190, 1.3710, 26.9949
Hunter-Lab	16.5183, 15.2001, 0.0076

Details

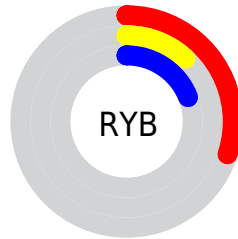
The YIQ color **46.2190, 21.9130, 15.8730** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **60.7810, -21.9130, -15.8730**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **93.7140, 24.8930, 16.9330**, and **10.2800, 19.9430, 7.5190** is the 20% darker color. If you saturate the color by 10%, you get **40.9530, 25.7180, 18.5020**, and if you desaturate by 10%, it is **51.4850, 18.1080, 13.2440**.

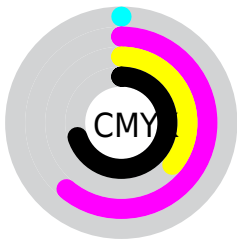
Distribution



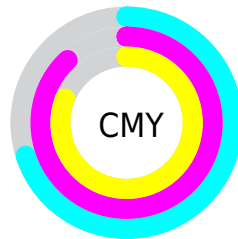
- Red (30%)
- Green (12%)
- Blue (19%)



- Red (30%)
- Yellow (12%)
- Blue (19%)



- Cyan (0%)
- Magenta (61%)
- Yellow (36%)
- Black (70%)



- Cyan (70%)
- Magenta (88%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.2190, 21.9130, 15.8730 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 46.2190, 21.9130, 15.8730 by changing the saturation by 10% instead.

■ 46.2190, 21.9130,
15.8730

■ 46.2190, 21.9130,
15.8730

■ 255.0000, -0.0000,
-0.0000

■ 23.1480, 20.6750,
16.2830

■ 93.7140, 24.8930,
16.9330

■ 10.2800, 19.9430,
7.5190

■ 119.3120, 26.0850,
17.3570

■ 0.0000, 0.0000,
0.0000

■ 144.9100, 27.2770,
17.7810

■ 171.6220, 28.1480,
18.5160

■ 199.2200, 29.3400,
18.9400

■ 223.6320, 22.1880,

16.3960

243.2600, 5.5000,
10.4600

46.2190, 21.9130,
15.8730

46.2190, 21.9130,
15.8730

40.9530, 25.7180,
18.5020

51.4850, 18.1080,
13.2440

36.3880, 28.9270,
20.9190

56.0500, 14.8990,
10.8270

31.1220, 32.7320,
23.5480

61.3160, 11.0940,
8.1980

26.5570, 35.9410,
25.9650

66.4680, 7.6100,
5.2580

71.1470, 4.0800,
3.1520

■ 76.4130, 0.2750,
0.5230

■ 81.5650, -3.2090,
-2.4170

■ 86.8310, -7.0140,
-5.0460

■ 91.3960, -10.2230,
-7.4630

Harmonies

Analogous

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



47.8030, 8.5250, 16.2130



46.2190, 21.9130, 15.8730



45.0530, 28.0120, 9.9640

Triad

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



46.2190, 21.9130, 15.8730



42.5640, 6.5590, -14.2490



39.6610, -38.6500, -4.3940

Complementary

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



46.2190, 21.9130, 15.8730



60.7810, -21.9130, -15.8730

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.



39.2390, -34.7060, -9.7940



46.2190, 21.9130, 15.8730



39.0440, -12.4680, -16.3400

Square

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



46.2190, 21.9130, 15.8730



43.8540, 20.5420, -8.8500



37.1870, -28.9280, -15.3920



38.1110, -39.7970, -0.1250

Rectangle

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



46.2190, 21.9130, 15.8730



45.0650, 27.7380, 3.9140



37.1870, -28.9280, -15.3920



39.7920, -37.6410, -6.1610

Sweetspot

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



46.2190, 21.9130, 15.8730



87.8810, 7.8850, 5.7810



43.4310, 1.0050, 20.3410



43.7450, 5.2720, 3.5760



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



46.2190, 21.9130, 15.8730



51.8340, 33.6030, 24.2830



46.4010, 26.9120, 7.8720



35.4240, 1.7420, 1.4700



35.1720, 47.6310, 34.3750



79.3720, 107.2270, 77.6830

Inverse Universe

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



46.2190, 21.9130, 15.8730



51.8340, 33.6030, 24.2830



60.5990, -26.9120, -7.8720



35.4240, 1.7420, 1.4700



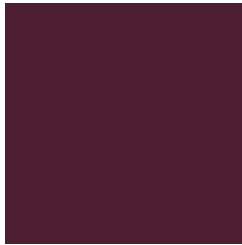
35.1720, 47.6310, 34.3750



79.3720, 107.2270, 77.6830

Previews

White Background



This preview shows how the YIQ color 46.2190, 21.9130, 15.8730 looks on a white background.

Color Contrast Check

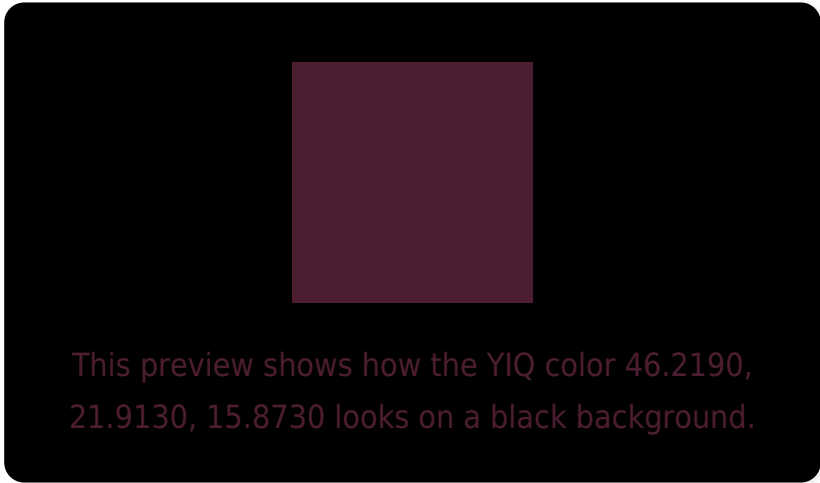
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

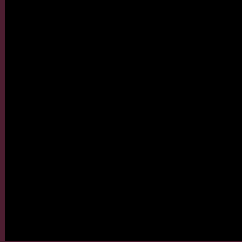
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.2190, 21.9130, 15.8730

Background



This preview shows how black text looks on a background with the YIQ color 46.2190, 21.9130, 15.8730.



This preview shows how white text looks on a background with the YIQ color 46.2190, 21.9130,

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

46.2190, 21.9130, 15.8730

Protanopia

46.8840, -5.3650, 3.6190

Deuteranopia

47.3210, 3.5300, 2.1060



Tritanopia

46.0850, 24.9860, 9.7380

Trichromacy



Original Color

46.2190, 21.9130, 15.8730

Protanomaly

46.4940, 4.7210, 8.0570

Deuteranomaly

47.1910, 9.9480, 6.9400

Tritanomaly

46.0680, 23.6560, 11.8160

Monochromacy



Original Color

46.2190, 21.9130, 15.8730

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.8810, 7.8850, 5.7810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.2190, 21.9130, 15.8730 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(77, 30, 49)` looks like.

```
.text, #text, p{  
    color:rgb(77, 30, 49)  
}
```

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(77, 30, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 30, 49) }
```

Border

The CSS property to change the border of an element to YIQ 46.2190, 21.9130, 15.8730 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(77, 30, 49) }
```


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

```
.border{ border-color:rgb(77, 30, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 30, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 30, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 30, 49);  
box-shadow:4px 4px 4px 4px rgb(77, 30, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.2190, 21.9130, 15.8730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 30, 49) }
```

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

```
.background{ background-color: rgb(77, 30,  
49) }
```

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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