

Converting Colors

YIQ(48.6990, 12.0540, 23.8460)

Have a look what the booklet for
YIQ(48.6990, 12.0540, 23.8460)
contains.

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Color

**YIQ(48.6990, 12.0540,
23.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	4B1E4C
RGB	75, 30, 76
RGB Percent	29%, 12%, 30%
CMY	0.7057, 0.8824, 0.7019
CMYK	0.01, 0.61, 0.00, 0.70
HSL	299°, 43%, 21%
HSV	299°, 61%, 30%
XYZ	4.6728, 2.9467, 7.1605
YIQ	48.6990, 12.0540, 23.8460

Conversions

Conversions Part 2

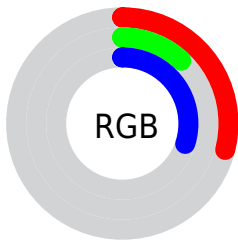
Format	Color
RYB	75, 30, 76
Decimal	4922956
CIELab	19.83, 28.73, -18.95
CIELCh	20, 34.420, 326.588
Yxy	2.9467, 0.3162, 0.1994
Android (android.graphics.Color)	4283113036 (0xFF4B1E4C)
YUV	48.6990, 13.4594, 23.0660
Hunter-Lab	17.1659, 18.5494, -12.7158

Details

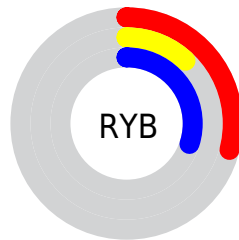
The YIQ color **48.6990, 12.0540, 23.8460** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **57.3010, -12.0540, -23.8460**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.8240, 13.2000, 25.1040**, and **13.5150, 9.3960, 16.9480** is the 20% darker color. If you saturate the color by 10%, you get **44.0030, 14.2540, 28.0300**, and if you desaturate by 10%, it is **53.3950, 9.8540, 19.6620**.

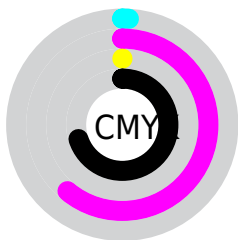
Distribution



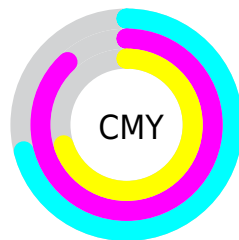
- Red (29%)
- Green (12%)
- Blue (30%)



- Red (29%)
- Yellow (12%)
- Blue (30%)



- Cyan (1%)
- Magenta (61%)
- Yellow (0%)
- Black (70%)



- Cyan (71%)
- Magenta (88%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.6990, 12.0540, 23.8460 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 48.6990, 12.0540, 23.8460 by changing the saturation by 10% instead.

■ 48.6990, 12.0540,
23.8460

■ 48.6990, 12.0540,
23.8460

■ 255.0000, -0.0000,
-0.0000

■ 24.8130, 11.7330,
24.1570

■ 96.8240, 13.2000,
25.1040

■ 13.5150, 9.3960,
16.9480

■ 121.9490, 14.3460,
26.3620

■ 0.3420, -0.9630,
0.9330

■ 148.3620, 14.6210,
26.8850

■ 0.0000, 0.0000,
0.0000


■ 175.0740, 15.4920,
27.6200


■ 202.6010, 15.4460,
28.4540


■ 227.4110, 12.9250,

24.5810


 243.8470, 5.2250,
9.9370

 48.6990, 12.0540,
23.8460


 48.6990, 12.0540,
23.8460


 44.0030, 14.2540,
28.0300


 53.3950, 9.8540,
19.6620


 39.8940, 16.1790,
31.6910

 57.5040, 7.9290,
16.0010

 35.1980, 18.3790,
35.8750

 62.4990, 6.3250,
12.0290

 30.7900, 19.7080,
39.3240

 66.6080, 4.4000,
8.3680

 71.3040, 2.2000,
4.1840

■ 76.0000, -0.0000,
-0.0000

■ 80.1090, -1.9250,
-3.6610

■ 84.8050, -4.1250,
-7.8450

■ 88.9140, -6.0500,
-11.5060

Harmonies

Analogous

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



47.8030, -17.8380, 14.9140



48.6990, 12.0540, 23.8460



44.5780, 31.4480, 24.7920

Triad

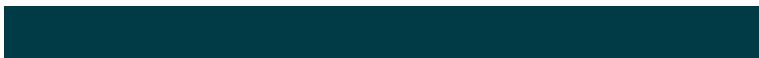
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.6990, 12.0540, 23.8460



45.8390, 24.8980, -10.7020



42.6130, -38.6950, -9.0870

Complementary

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



48.6990, 12.0540, 23.8460



57.3010, -12.0540, -23.8460

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.



39.6490, -30.3490, -17.1730



48.6990, 12.0540, 23.8460



42.4730, 8.0730, -19.6630

Square

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



48.6990, 12.0540, 23.8460



44.8780, 38.3300, -0.8220



35.5110, -21.4530, -24.2130



43.7190, -44.5650, -1.8210

Rectangle

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



48.6990, 12.0540, 23.8460



43.8250, 37.8220, 19.4060



35.5110, -21.4530, -24.2130



41.7010, -36.1270, -11.5750

Sweetspot

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



48.6990, 12.0540, 23.8460



89.0210, 4.6750, 8.8910



36.4180, -15.3160, 13.2600



44.5430, 3.0250, 5.7530



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.



48.6990, 12.0540, 23.8460



56.4370, 19.2040, 37.4440



46.6040, 19.3910, 17.5270



35.6520, 1.1000, 2.0920



41.5280, 26.8580, 52.9220



93.4950, 60.2700, 119.2300

Inverse Universe

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



43.8680, 27.0950, 10.0630



48.6420, 42.5910, 15.5750



59.3960, -19.3910, -17.5270



35.3100, 2.0630, 1.1590



30.7260, 60.1500, 22.2460



69.3400, 135.4750, 50.3150

Previews

White Background



This preview shows how the YIQ color 48.6990, 12.0540, 23.8460 looks on a white background.

Color Contrast Check

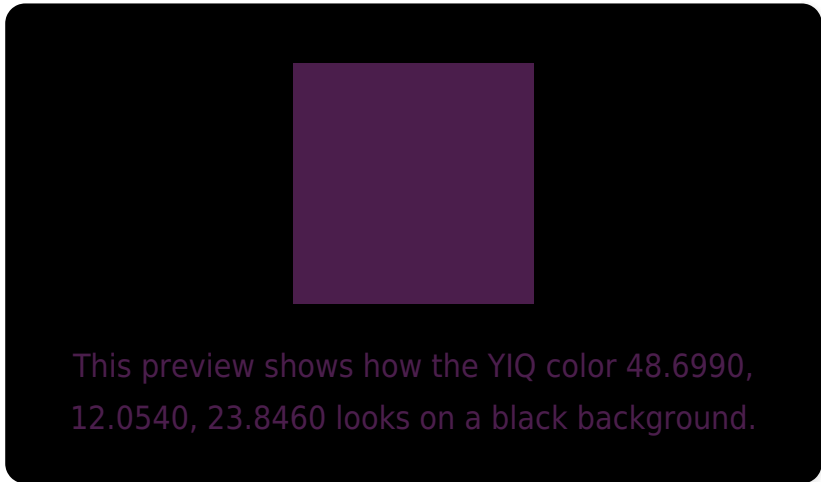
Large Text (above 18pt) WCAG AA ✓ Pass

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

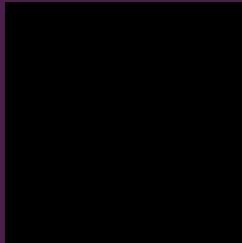
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.6990, 12.0540, 23.8460

Background



This preview shows how black text looks on a background with the YIQ color 48.6990, 12.0540, 23.8460.



This preview shows how white text looks on a background with the YIQ color 48.6990, 12.0540,

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

48.6990, 12.0540, 23.8460

Protanopia

45.5520, -27.5570, 9.3310

Deuteranopia

48.4470, -14.2600, 5.1320



Tritanopia

49.4970, 17.8340, 7.1940

Trichromacy



Original Color

48.6990, 12.0540, 23.8460

Protanomaly

46.7280, -13.2530, 14.4190

Deuteranomaly

48.3390, -4.9080, 11.8600

Tritanomaly

48.8160, 15.6780, 13.2300

Monochromacy



Original Color

48.6990, 12.0540, 23.8460

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.7220, 4.0790, 8.6790

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.6990, 12.0540, 23.8460 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(75, 30, 76)` looks like.

```
.text, #text, p{  
    color:rgb(75, 30, 76)  
}
```

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(75, 30, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 30, 76) }
```

Border

The CSS property to change the border of an element to YIQ 48.6990, 12.0540, 23.8460 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(75, 30, 76) }
```


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

```
.border{ border-color:rgb(75, 30, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 30, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 30, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 30, 76);  
box-shadow:4px 4px 4px 4px rgb(75, 30, 76)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.6990, 12.0540, 23.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 30, 76) }
```

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

```
.background{ background-color: rgb(75, 30,  
76) }
```

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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