

Converting Colors

YIQ(49.0910, 24.8490, 6.7130)

Have a look what the booklet for
YIQ(49.0910, 24.8490, 6.7130)
contains.

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Color

**YIQ(49.0910, 24.8490,
6.7130)**

Conversions

Conversions Part 1

Format	Color
Hex	4D2621
RGB	77, 38, 33
RGB Percent	30%, 15%, 13%
CMY	0.6980, 0.8510, 0.8705
CMYK	0.00, 0.51, 0.57, 0.70
HSL	7°, 40%, 22%
HSV	7°, 57%, 30%
XYZ	4.0299, 3.0739, 1.8217
YIQ	49.0910, 24.8490, 6.7130

Conversions

Conversions Part 2

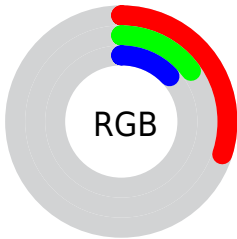
Format	Color
R_{YB}	77, 39, 33
Decimal	5056033
CIE _{Lab}	20.34, 17.72, 11.50
CIE _{LCh}	20, 21.126, 32.973
Yxy	3.0739, 0.4515, 0.3444
Android (android.graphics.Color)	4283246113 (0xFF4D2621)
YUV	49.0910, -7.9329, 24.4762
Hunter-Lab	17.5324, 10.3470, 6.1123

Details

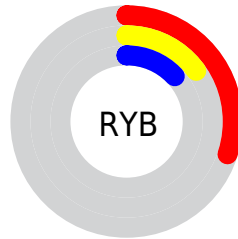
The YIQ color **49.0910, 24.8490, 6.7130** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **60.9090, -24.8490, -6.7130**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.3580, 28.4710, 7.1510**, and **9.6820, 18.7510, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **44.0700, 29.3420, 7.8860**, and if you desaturate by 10%, it is **54.1120, 20.3560, 5.5400**.

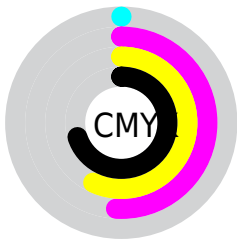
Distribution



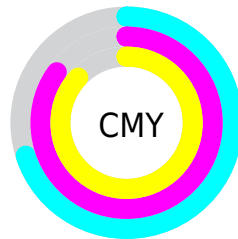
- Red (30%)
- Green (15%)
- Blue (13%)



- Red (30%)
- Yellow (15%)
- Blue (13%)



- Cyan (0%)
- Magenta (51%)
- Yellow (57%)
- Black (70%)



- Cyan (70%)
- Magenta (85%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.0910, 24.8490, 6.7130 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 49.0910, 24.8490, 6.7130 by changing the saturation by 10% instead.

■ 49.0910, 24.8490,
6.7130

■ 49.0910, 24.8490,
6.7130

■ 255.0000, -0.0000,
-0.0000

■ 27.0800, 23.3820,
5.7660

■ 96.3580, 28.4710,
7.1510

■ 9.6820, 18.7510,
7.0950

■ 121.2550, 30.2590,
7.7870

■ 0.0000, 0.0000,
0.0000

■ 147.7390, 31.7720,
7.9000

■ 174.3370, 32.9640,
8.3240

■ 201.9350, 34.1560,
8.7480

■ 225.9340, 26.7290,

5.6810

■ 245.5620, 10.0410,
-0.2550

■ 49.0910, 24.8490,
6.7130

■ 49.0910, 24.8490,
6.7130

■ 44.0700, 29.3420,
7.8860

■ 54.1120, 20.3560,
5.5400

■ 39.1630, 33.5140,
9.3700

■ 59.0190, 16.1840,
4.0560

■ 34.1420, 38.0070,
10.5430

■ 63.4530, 11.9660,
3.4060

■ 29.7080, 42.2250,
11.1930

■ 68.4740, 7.4730,
2.2330

■ 28.3060, 43.4170,
11.6170

■ 73.4950, 2.9800,
1.0600

■ 78.4020, -1.1920,
-0.4240

■ 83.4230, -5.6850,
-1.5970

■ 88.4440, -10.1780,
-2.7700

■ 92.7640, -14.0750,
-3.7310

Harmonies

Analogous

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



49.9260, 21.1800, 12.6360



49.0910, 24.8490, 6.7130



48.3800, 22.2370, -1.0190

Triad

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



49.0910, 24.8490, 6.7130



42.7280, -14.3940, -14.4740



45.9450, -24.5300, 4.0300

Complementary

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



49.0910, 24.8490, 6.7130



60.9090, -24.8490, -6.7130

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.



40.3620, -39.2460, -4.6060



49.0910, 24.8490, 6.7130



39.1590, -31.7250, -14.2610

Square

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



49.0910, 24.8490, 6.7130



45.8780, 2.7990, -12.1850



40.2820, -36.2650, -9.0730



49.9260, -5.1830, 11.3370

Rectangle

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



49.0910, 24.8490, 6.7130



47.8800, 17.6530, -6.0510



40.2820, -36.2650, -9.0730



42.6340, -34.0200, -0.1960

Sweetspot

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



49.0910, 24.8490, 6.7130



88.3710, 9.2610, 2.8690



50.7160, 13.3840, 21.7680



44.5770, 5.6850, 1.5970



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.



49.0910, 24.8490, 6.7130



56.0280, 38.3280, 10.2320



61.4180, 19.0740, -4.2700



35.7830, 2.1090, 0.3250



36.9550, 57.7670, 15.8710



84.0320, 129.9300, 35.1620

Inverse Universe

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



60.9090, -24.8490, -6.7130



74.5590, -38.6030, -10.7550



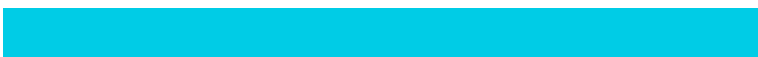
48.5820, -19.0740, 4.2700



36.8040, -2.3840, -0.8480



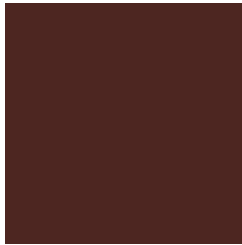
65.0450, -57.7670, -15.8710



145.9680, -129.9300, -35.1620

Previews

White Background



This preview shows how the YIQ color 49.0910, 24.8490, 6.7130 looks on a white background.

Color Contrast Check

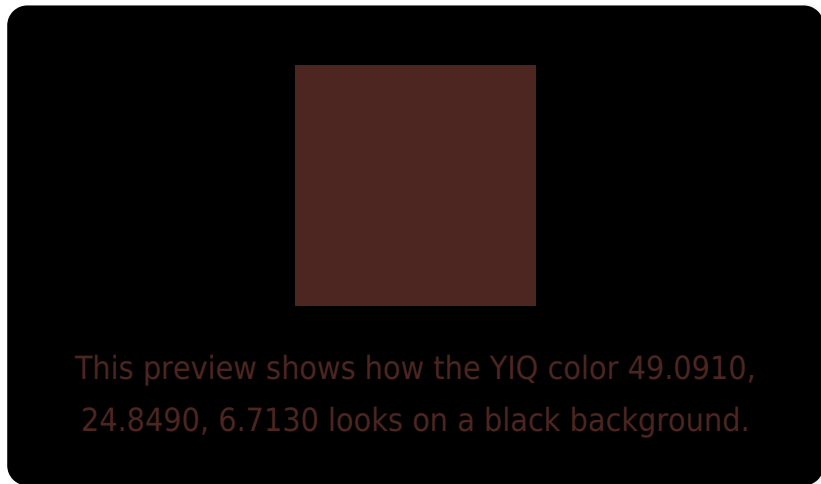
Large Text (above 18pt) WCAG AA ✓ Pass

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

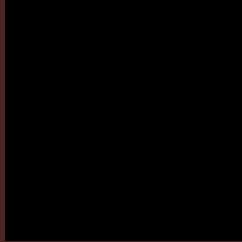
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.0910, 24.8490, 6.7130

Background



This preview shows how black text looks on a background with the YIQ color 49.0910, 24.8490, 6.7130.

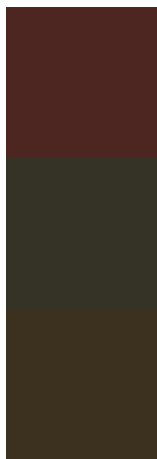


This preview shows how white text looks on a background with the YIQ color 49.0910, 24.8490,

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

49.0910, 24.8490, 6.7130

Protanopia

49.5290, 5.6400, -3.0960

Deuteranopia

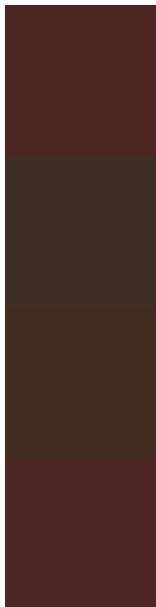
49.6500, 12.6090, -2.7430



Tritanopia

49.3020, 22.8770, 9.4130

Trichromacy



Original Color

49.0910, 24.8490, 6.7130

Protanomaly

49.6440, 12.7460, 0.2820

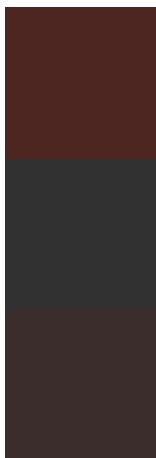
Deuteranomaly

49.2100, 16.9640, 0.9320

Tritanomaly

48.9600, 23.8400, 8.4800

Monochromacy



Original Color

49.0910, 24.8490, 6.7130

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.9580, 8.9860, 2.3460

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.0910, 24.8490, 6.7130 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, 38, 33)` looks like.

```
.text, #text, p{  
    color:rgb(77, 38, 33)  
}
```

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, 38, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 38, 33) }
```

Border

The CSS property to change the border of an element to YIQ 49.0910, 24.8490, 6.7130 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, 38, 33) }
```


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

```
.border{ border-color:rgb(77, 38, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 38, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 38, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 38, 33);  
box-shadow:4px 4px 4px 4px rgb(77, 38, 33)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.0910, 24.8490, 6.7130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 38, 33) }
```

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

```
.background{ background-color: rgb(77, 38,  
33) }
```

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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