

Converting Colors

YIQ(48.1010, 9.7210, -5.4710)

Have a look what the booklet for
YIQ(48.1010, 9.7210, -5.4710)
contains.

YIQ(48.1010, 9.7210, -5.4710)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(48.1010, 9.7210,
-5.4710)**

Conversions

Conversions Part 1

Format	Color
Hex	36311C
RGB	54, 49, 28
RGB Percent	21%, 19%, 11%
CMY	0.7882, 0.8078, 0.8901
CMYK	0.00, 0.09, 0.48, 0.79
HSL	48°, 32%, 16%
HSV	48°, 48%, 21%
XYZ	2.8293, 3.0646, 1.5419
YIQ	48.1010, 9.7210, -5.4710

Conversions

Conversions Part 2

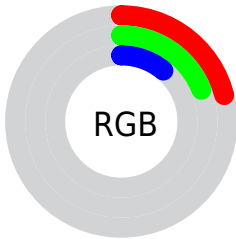
Format	Color
RYB	34, 54, 28
Decimal	3551516
CIELab	20.30, -1.51, 14.20
CIElCh	20, 14.281, 96.070
Yxy	3.0646, 0.3805, 0.4121
Android (android.graphics.Color)	4281741596 (0xFF36311C)
YUV	48.1010, -9.9098, 5.1734
Hunter-Lab	17.5060, -1.7867, 7.0321

Details

The YIQ color **48.1010, 9.7210, -5.4710** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33.8990, -9.7210, 5.4710**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **94.1720, 10.9590, -5.8810**, and **1.1740, -0.5500, -1.0460** is the 20% darker color. If you saturate the color by 10%, you get **46.9440, 11.6010, -6.5030**, and if you desaturate by 10%, it is **49.2580, 7.8410, -4.4390**.

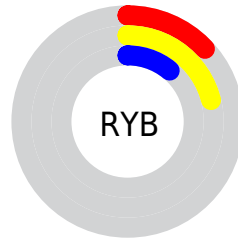
Distribution



Red (21%)

Green (19%)

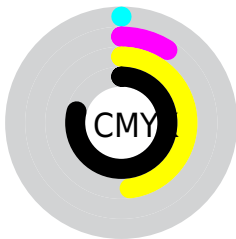
Blue (11%)



Red (13%)

Yellow (21%)

Blue (11%)

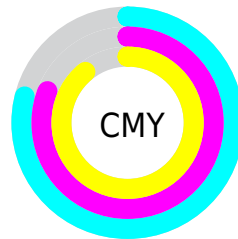


Cyan (0%)

Magenta (9%)

Yellow (48%)

Black (79%)



Cyan (79%)

Magenta (81%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.1010, 9.7210, -5.4710 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 48.1010, 9.7210, -5.4710 by changing the saturation by 10% instead.

■ 48.1010, 9.7210,
-5.4710

■ 48.1010, 9.7210,
-5.4710

■ 255.0000, -0.0000,
-0.0000

■ 26.6450, 11.0050,
-6.7150

■ 94.1720, 10.9590,
-5.8810

■ 1.1740, -0.5500,
-1.0460

■ 119.3570, 11.8760,
-5.9800

■ 0.0000, 0.0000,
0.0000

■ 144.5420, 12.7930,
-6.0790

■ 171.4280, 13.1140,
-6.3900

■ 198.4280, 13.1140,
-6.3900

■ 226.6130, 14.0310,

-6.4890

■ 251.9220, 8.6670,
-8.3970

■ 48.1010, 9.7210,
-5.4710

■ 48.1010, 9.7210,
-5.4710

■ 46.9440, 11.6010,
-6.5030

■ 49.2580, 7.8410,
-4.4390

■ 45.6730, 13.8020,
-7.8460

■ 50.5290, 5.6400,
-3.0960

■ 44.5160, 15.6820,
-8.8780

■ 51.6860, 3.7600,
-2.0640

■ 43.2450, 17.8830,
-10.2210

■ 52.9570, 1.5590,
-0.7210

■ 42.0880, 19.7630,
-11.2530

■ 54.1140, -0.3210,
0.3110

■ 41.9740, 20.0840,
-11.5640

■ 55.2710, -2.2010,
1.3430

■ 56.5420, -4.4020,
2.6860

■ 57.6990, -6.2820,
3.7180

■ 58.9700, -8.4830,
5.0610

Harmonies

Analogous

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



48.6720, 15.5430, -0.8490



48.1010, 9.7210, -5.4710



47.0290, 1.0560, -8.1280

Triad

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



48.1010, 9.7210, -5.4710



42.2400, -27.2790, -6.7270



50.4020, 7.9760, 9.6400

Complementary

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



48.1010, 9.7210, -5.4710



33.8990, -9.7210, 5.4710

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.



49.7860, -1.9730, 8.2270



48.1010, 9.7210, -5.4710



44.8540, -23.0160, -1.3840

Square

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



48.1010, 9.7210, -5.4710



43.4810, -20.7680, -9.0880



48.1050, -13.2970, 4.1990



50.0560, 14.7620, 7.8020

Rectangle

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



48.1010, 9.7210, -5.4710



45.4950, -6.1880, -9.0040



48.1050, -13.2970, 4.1990



50.4340, 4.9500, 9.4140

Sweetspot

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



48.1010, 9.7210, -5.4710



68.6860, 3.7600, -2.0640



36.3440, 13.8910, 7.0670



34.7290, 2.2010, -1.3430



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



48.1010, 9.7210, -5.4710



61.6300, 15.3610, -8.5670



48.6440, 3.5780, -9.7820



27.6580, 0.9630, -0.9330



70.9460, 34.4820, -19.1980



169.3800, 81.8490, -46.1430

Inverse Universe

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



33.8990, -9.7210, 5.4710



39.3700, -15.3610, 8.5670



33.3560, -3.5780, 9.7820



25.9290, -1.2380, 0.4100



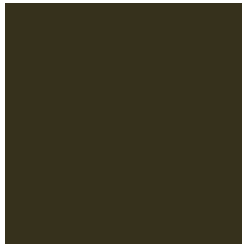
21.0540, -34.4820, 19.1980



49.6200, -81.8490, 46.1430

Previews

White Background



This preview shows how the YIQ color 48.1010, 9.7210, -5.4710 looks on a white background.

Color Contrast Check

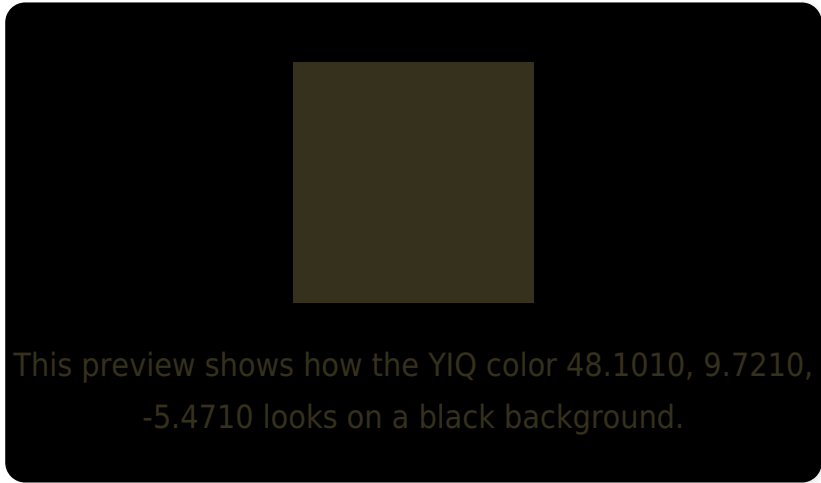
Large Text (above 18pt) WCAG AA ✓ Pass

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

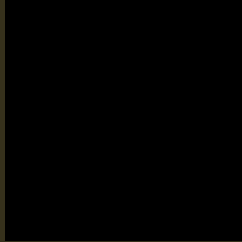
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.1010, 9.7210, -5.4710

Background



This preview shows how black text looks on a background with the YIQ color 48.1010, 9.7210, -5.4710.



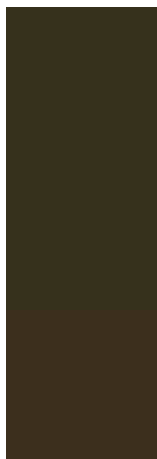
This preview shows how white text looks on a background with the YIQ color 48.1010, 9.7210,

-5.4710.

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

48.1010, 9.7210, -5.4710

Protanopia

48.1010, 9.7210, -5.4710

Deuteranopia

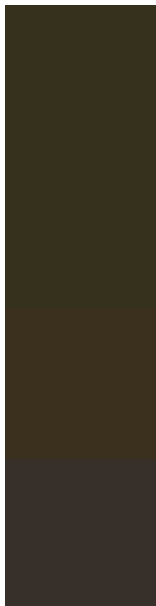
48.8350, 13.5260, -2.8420



Tritanopia

49.4460, 4.6760, 3.3640

Trichromacy



Original Color

48.1010, 9.7210, -5.4710

Protanomaly

48.1010, 9.7210, -5.4710

Deuteranomaly

48.8240, 12.0590, -3.7890

Tritanomaly

48.8220, 6.3730, 0.1410

Monochromacy



Original Color

48.1010, 9.7210, -5.4710

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.8000, 3.4390, -1.7530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.1010, 9.7210, -5.4710 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(54, 49, 28)` looks like.

```
.text, #text, p{  
    color:rgb(54, 49, 28)  
}
```

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(54, 49, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 49, 28) }
```

Border

The CSS property to change the border of an element to YIQ 48.1010, 9.7210, -5.4710 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(54, 49, 28) }
```


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

```
.border{ border-color:rgb(54, 49, 28) }
```

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

Here you see how a box with a 4 pixel rgb(54, 49, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 49, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 49, 28);  
box-shadow:4px 4px 4px 4px rgb(54, 49, 28)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.1010, 9.7210, -5.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 49, 28) }
```

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

```
.background{ background-color: rgb(54, 49,  
28) }
```

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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