

Converting Colors

YIQ(49.3030, 21.1360, 2.4160)

Have a look what the booklet for
YIQ(49.3030, 21.1360, 2.4160)
contains.

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Color

**YIQ(49.3030, 21.1360,
2.4160)**

Conversions

Conversions Part 1

Format	Color
Hex	472A1E
RGB	71, 42, 30
RGB Percent	28%, 16%, 12%
CMY	0.7215, 0.8353, 0.8823
CMYK	0.00, 0.41, 0.58, 0.72
HSL	18°, 41%, 20%
HSV	18°, 58%, 28%
XYZ	3.6619, 3.0891, 1.6331
YIQ	49.3030, 21.1360, 2.4160

Conversions

Conversions Part 2

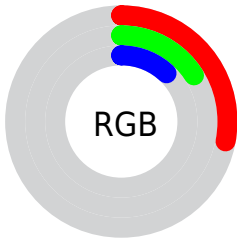
Format	Color
RYB	71, 47, 30
Decimal	4663838
CIELab	20.40, 11.99, 13.43
CIELCh	20, 18.002, 48.250
Yxy	3.0891, 0.4368, 0.3684
Android (android.graphics.Color)	4282853918 (0xFF472A1E)
YUV	49.3030, -9.5164, 19.0283
Hunter-Lab	17.5759, 6.4320, 6.7939




Details

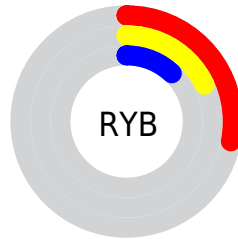
The YIQ color **49.3030, 21.1360, 2.4160** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **51.6970, -21.1360, -2.4160**, and the grayscale version is **49.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **96.2710, 24.1620, 2.6420**, and **7.7740, 15.4960, 5.5120** is the 20% darker color. If you saturate the color by 10%, you get **45.5700, 24.7580, 2.8540**, and if you desaturate by 10%, it is **53.0360, 17.5140, 1.9780**.

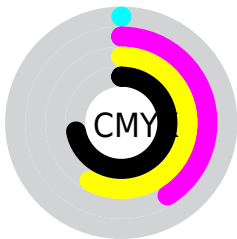
Distribution







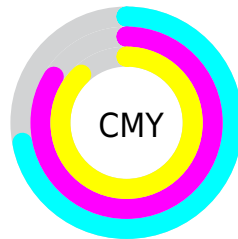
-  Red (28%)
-  Green (16%)
-  Blue (12%)






-  Red (28%)
-  Yellow (18%)
-  Blue (12%)



-  Cyan (0%)
-  Magenta (41%)
-  Yellow (58%)
-  Black (72%)



-  Cyan (72%)
-  Magenta (84%)
-  Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.3030, 21.1360, 2.4160 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 49.3030, 21.1360, 2.4160 by changing the saturation by 10% instead.

■ 49.3030, 21.1360,
2.4160

■ 49.3030, 21.1360,
2.4160

■ 255.0000, -0.0000,
-0.0000

■ 27.3630, 20.9070,
1.0590

■ 96.2710, 24.1620,
2.6420

■ 7.7740, 15.4960,
5.5120

■ 121.1680, 25.9500,
3.2780

■ 0.0000, 0.0000,
0.0000

■ 147.3530, 26.8670,
3.1790

■ 173.8370, 28.3800,
3.2920

■ 201.1360, 28.9760,
3.5040

■ 227.8260, 26.9130,

2.3450

■ 247.5680, 9.9040,
-3.2800

■ 49.3030, 21.1360,
2.4160

■ 49.3030, 21.1360,
2.4160

■ 45.5700, 24.7580,
2.8540

■ 53.0360, 17.5140,
1.9780

■ 41.8370, 28.3800,
3.2920

■ 56.7690, 13.8920,
1.5400

■ 38.1040, 32.0020,
3.7300

■ 60.5020, 10.2700,
1.1020

■ 34.3710, 35.6240,
4.1680

■ 64.2350, 6.6480,
0.6640

■ 33.5560, 36.5410,
4.0690

■ 68.0820, 2.7050,
0.5370

■ 71.8150, -0.9170,
0.0990

■ 75.5480, -4.5390,
-0.3390

■ 79.2810, -8.1610,
-0.7770

■ 83.0140, -11.7830,
-1.2150

Harmonies

Analogous

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



50.1060, 20.4930, 8.5650



49.3030, 21.1360, 2.4160



48.7490, 16.6440, -4.2840

Triad

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



49.3030, 21.1360, 2.4160



42.5580, -19.6670, -12.5230



49.4690, -11.3260, 7.0260

Complementary

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



49.3030, 21.1360, 2.4160



51.6970, -21.1360, -2.4160

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.



44.4560, -27.6470, -0.0550



49.3030, 21.1360, 2.4160



39.3700, -33.6970, -11.5610

Square

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



49.3030, 21.1360, 2.4160



45.3980, -4.5370, -11.3930



40.0370, -36.9530, -7.6170



50.8190, 2.4280, 11.0680

Rectangle

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



49.3030, 21.1360, 2.4160



48.1180, 11.0510, -7.5490



40.0370, -36.9530, -7.6170



47.7780, -16.6900, 5.1180

Sweetspot

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



49.3030, 21.1360, 2.4160



83.7190, 8.1610, 0.7770



45.5650, 15.1270, 17.7110



40.8650, 4.8140, 0.8620



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



49.3030, 21.1360, 2.4160



58.2890, 32.9190, 3.6310



61.0430, 15.6360, -8.0440



33.7830, 2.1090, 0.3250



46.6240, 51.0290, 5.8210



106.6150, 117.1420, 13.6060

Inverse Universe

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



51.6970, -21.1360, -2.4160



61.7110, -32.9190, -3.6310



39.9570, -15.6360, 8.0440



34.2170, -2.1090, -0.3250



52.3760, -51.0290, -5.8210



120.3850, -117.1420, -13.6060

Previews

White Background



This preview shows how the YIQ color 49.3030, 21.1360, 2.4160 looks on a white background.

Color Contrast Check

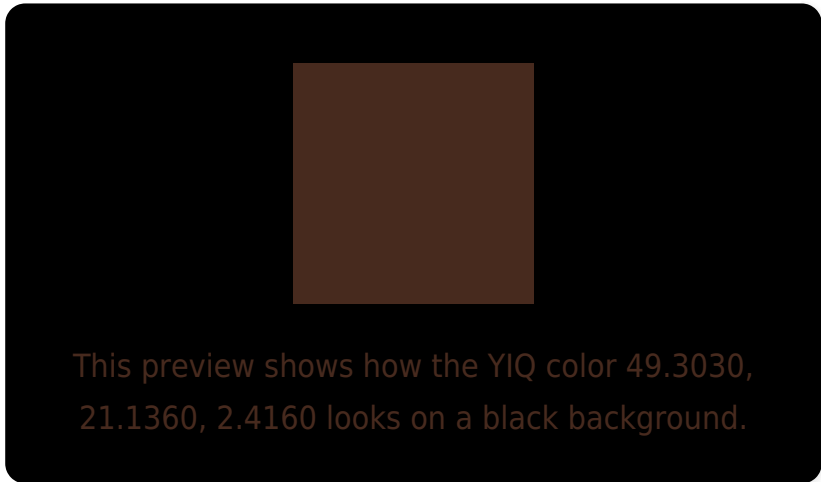
Large Text (above 18pt) WCAG AA ✓ Pass

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

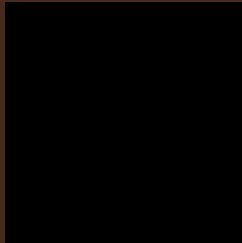
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.3030, 21.1360, 2.4160

Background



This preview shows how black text looks on a background with the YIQ color 49.3030, 21.1360, 2.4160.

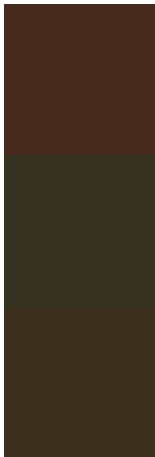


This preview shows how white text looks on a background with the YIQ color 49.3030, 21.1360,

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

49.3030, 21.1360, 2.4160

Protanopia

49.2580, 7.8410, -4.4390

Deuteranopia

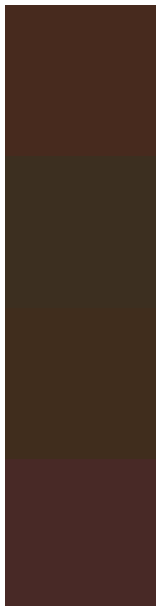
48.8350, 13.5260, -2.8420



Tritanopia

49.9100, 18.1090, 7.7170

Trichromacy



Original Color

49.3030, 21.1360, 2.4160

Protanomaly

49.1770, 12.5630, -1.9090

Deuteranomaly

48.8570, 16.4600, -0.9480

Tritanomaly

49.9270, 19.4390, 5.6390

Monochromacy



Original Color

49.3030, 21.1360, 2.4160

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.8330, 7.8400, 1.0880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.3030, 21.1360, 2.4160 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(71, 42, 30)` looks like.

```
.text, #text, p{  
    color:rgb(71, 42, 30)  
}
```

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(71, 42, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 42, 30) }
```

Border

The CSS property to change the border of an element to YIQ 49.3030, 21.1360, 2.4160 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(71, 42, 30) }
```


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

```
.border{ border-color:rgb(71, 42, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 42, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 42, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 42, 30);  
box-shadow:4px 4px 4px 4px rgb(71, 42, 30)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.3030, 21.1360, 2.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 42, 30) }
```

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

```
.background{ background-color: rgb(71, 42,  
30) }
```

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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