

Converting Colors

YIQ(47.7970, 16.6890, 0.4090)

Have a look what the booklet for
YIQ(47.7970, 16.6890, 0.4090)
contains.

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Color

**YIQ(47.7970, 16.6890,
0.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	402B1E
RGB	64, 43, 30
RGB Percent	25%, 17%, 12%
CMY	0.7490, 0.8314, 0.8823
CMYK	0.00, 0.33, 0.53, 0.75
HSL	23°, 36%, 18%
HSV	23°, 53%, 25%
XYZ	3.2132, 2.9113, 1.6222
YIQ	47.7970, 16.6890, 0.4090

Conversions

Conversions Part 2

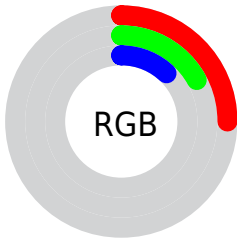
Format	Color
RYB	64, 51, 30
Decimal	4205342
CIELab	19.69, 7.86, 12.31
CIElCh	20, 14.607, 57.457
Yxy	2.9113, 0.4148, 0.3758
Android (android.graphics.Color)	4282395422 (0xFF402B1E)
YUV	47.7970, -8.7739, 14.2100
Hunter-Lab	17.0625, 3.7555, 6.3069

Details

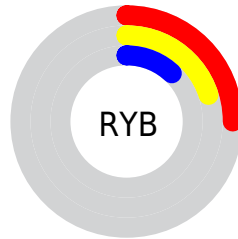
The YIQ color **47.7970, 16.6890, 0.4090** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **46.2030, -16.6890, -0.4090**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **93.8790, 19.3940, 0.9460**, and **4.7840, 9.5360, 3.3920** is the 20% darker color. If you saturate the color by 10%, you get **44.7650, 19.7150, 0.6350**, and if you desaturate by 10%, it is **50.8290, 13.6630, 0.1830**.

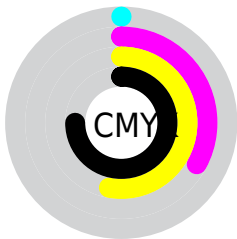
Distribution



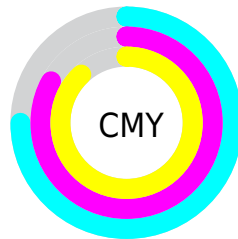
- Red (25%)
- Green (17%)
- Blue (12%)



- Red (25%)
- Yellow (20%)
- Blue (12%)



- Cyan (0%)
- Magenta (33%)
- Yellow (53%)
- Black (75%)



- Cyan (75%)
- Magenta (83%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.7970, 16.6890, 0.4090 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 47.7970, 16.6890, 0.4090 by changing the saturation by 10% instead.

■ 47.7970, 16.6890,
0.4090

■ 47.7970, 16.6890,
0.4090

■ 255.0000, -0.0000,
-0.0000

■ 26.1560, 17.0560,
-0.7360

■ 93.8790, 19.3940,
0.9460

■ 4.7840, 9.5360,
3.3920

■ 119.0640, 20.3110,
0.8470

■ 0.0000, 0.0000,
0.0000

■ 144.6620, 21.5030,
1.2710

■ 171.4340, 22.1450,
0.6490

■ 198.7330, 22.7410,
0.8610

■ 226.9180, 23.6580,

0.7620

■ 248.1550, 9.6290,
-3.8030

■ 47.7970, 16.6890,
0.4090

■ 47.7970, 16.6890,
0.4090

■ 44.7650, 19.7150,
0.6350

■ 50.8290, 13.6630,
0.1830

■ 41.6190, 23.0620,
0.5500

■ 53.9750, 10.3160,
0.2680

■ 38.5870, 26.0880,
0.7760

■ 57.0070, 7.2900,
0.0420

■ 35.4410, 29.4350,
0.6910

■ 60.1530, 3.9430,
0.1270

■ 33.2240, 31.5440,
1.0160

■ 63.1850, 0.9170,
-0.0990

■ 66.2170, -2.1090,
-0.3250

■ 69.3630, -5.4560,
-0.2400

■ 72.3950, -8.4820,
-0.4660

■ 75.5410, -11.8290,
-0.3810

Harmonies

Analogous

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



48.1440, 17.3300, 5.3140



47.7970, 16.6890, 0.4090



47.2970, 12.1050, -4.6230

Triad

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



47.7970, 16.6890, 0.4090



42.0360, -18.0170, -9.3850



48.2910, -4.9530, 7.1670

Complementary

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



47.7970, 16.6890, 0.4090



46.2030, -16.6890, -0.4090

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.



45.8980, -17.1480, 2.4040



47.7970, 16.6890, 0.4090



40.0010, -28.1040, -8.2960

Square

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



47.7970, 16.6890, 0.4090



44.1960, -6.7840, -9.2160



42.1200, -26.8210, -4.0130



49.3200, 5.2710, 9.1030

Rectangle

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



47.7970, 16.6890, 0.4090



46.4920, 7.0620, -6.8420



42.1200, -26.8210, -4.0130



47.3120, -9.4460, 5.9940

Sweetspot

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



47.7970, 16.6890, 0.4090



77.8220, 6.3730, 0.1410



42.6740, 13.2020, 14.0500



39.1530, 3.9430, 0.1270



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



47.7970, 16.6890, 0.4090



58.4730, 26.4090, 0.4650



57.1890, 12.2890, -7.9590



31.4840, 1.5130, 0.1130



50.7220, 47.6370, 1.2130



117.4580, 109.8540, 2.5100

Inverse Universe

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



46.2030, -16.6890, -0.4090



56.1140, -26.6840, -0.9880



36.8110, -12.2890, 7.9590



31.5160, -1.5130, -0.1130



46.2780, -47.6370, -1.2130



107.1290, -110.1290, -3.0330

Previews

White Background



This preview shows how the YIQ color 47.7970, 16.6890, 0.4090 looks on a white background.

Color Contrast Check

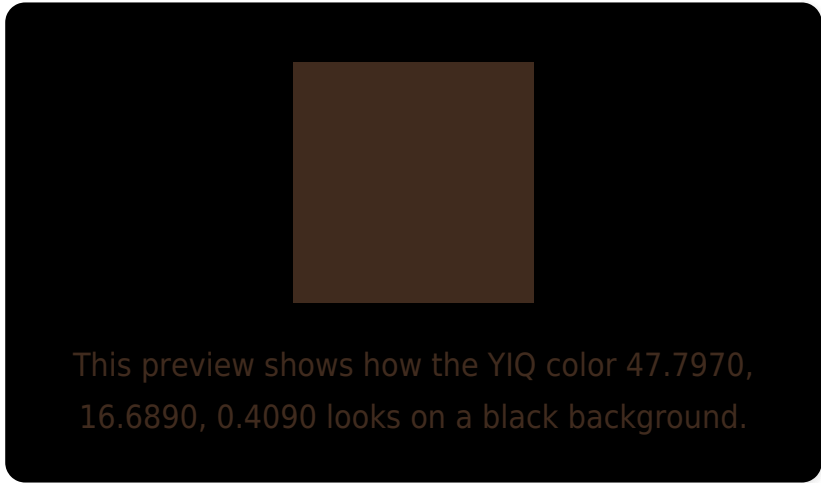
Large Text (above 18pt) WCAG AA ✓ Pass

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

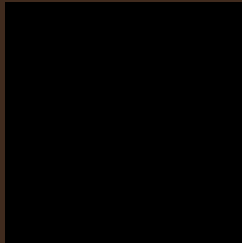
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.7970, 16.6890, 0.4090

Background



This preview shows how black text looks on a background with the YIQ color 47.7970, 16.6890, 0.4090.



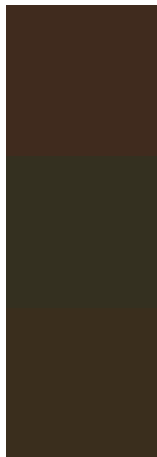
This preview shows how white text looks on a background with the YIQ color 47.7970, 16.6890,

0.4090.

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

47.7970, 16.6890, 0.4090

Protanopia

47.3720, 7.5200, -4.1280

Deuteranopia

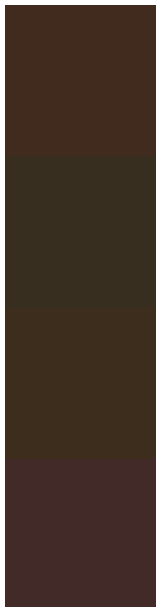
47.6500, 12.6090, -2.7430



Tritanopia

48.5180, 13.3410, 6.0210

Trichromacy



Original Color

47.7970, 16.6890, 0.4090

Protanomaly

47.2800, 10.7750, -2.5450

Deuteranomaly

47.6610, 14.0760, -1.7960

Tritanomaly

48.5350, 14.6710, 3.9430

Monochromacy



Original Color

47.7970, 16.6890, 0.4090

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

47.8220, 6.3730, 0.1410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.7970, 16.6890, 0.4090 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(64, 43, 30)` looks like.

```
.text, #text, p{  
    color:rgb(64, 43, 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(64, 43, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 43, 30) }
```

Border

The CSS property to change the border of an element to YIQ 47.7970, 16.6890, 0.4090 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(64, 43, 30) }
```


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

```
.border{ border-color:rgb(64, 43, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 43, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 43, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 43, 30);  
box-shadow:4px 4px 4px 4px rgb(64, 43, 30)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.7970, 16.6890, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 43, 30) }
```

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

```
.background{ background-color: rgb(64, 43,  
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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