

Converting Colors

YIQ(47.1480, 20.6750, 16.2830)

Have a look what the booklet for
YIQ(47.1480, 20.6750, 16.2830)
contains.

YIQ(47.1480, 20.6750, 16.2830)	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(47.1480, 20.6750,
16.2830)**

Conversions

Conversions Part 1	
Format	Color
Hex	4D1F34
RGB	77, 31, 52
RGB Percent	30%, 12%, 20%
CMY	0.6979, 0.8785, 0.7960
CMYK	0.00, 0.60, 0.32, 0.70
HSL	333°, 43%, 21%
HSV	333°, 60%, 30%
XYZ	4.1728, 2.8061, 3.5725
YIQ	47.1480, 20.6750, 16.2830

Conversions

Conversions Part 2

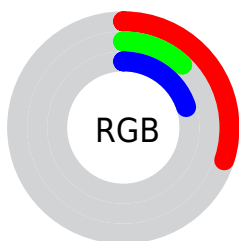
Format	Color
RYB	77, 31, 52
Decimal	5054260
CIELab	19.25, 24.45, -3.25
CIELCh	19, 24.662, 352.424
Yxy	2.8061, 0.3955, 0.2659
Android (android.graphics.Color)	4283244340 (0xFF4D1F34)
YUV	47.1480, 2.3920, 26.1802
Hunter-Lab	16.7515, 15.1490, -0.9184

Details

The YIQ color **47.1480, 20.6750, 16.2830** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **60.8520, -20.6750, -16.2830**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.6430, 23.6550, 17.3430**, and **10.8500, 18.3380, 9.0740** is the 20% darker color. If you saturate the color by 10%, you get **41.9960, 24.1590, 19.2230**, and if you desaturate by 10%, it is **52.3000, 17.1910, 13.3430**.

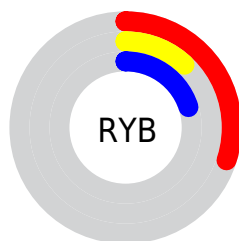
Distribution



Red (30%)

Green (12%)

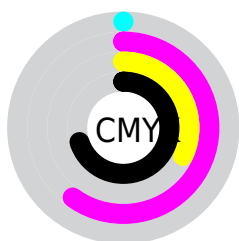
Blue (20%)



Red (30%)

Yellow (12%)

Blue (20%)

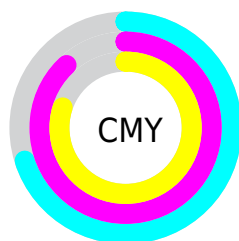


Cyan (0%)

Magenta (60%)

Yellow (32%)

Black (70%)



Cyan (70%)


Magenta (88%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 47.1480, 20.6750, 16.2830 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 47.1480, 20.6750, 16.2830 by changing the saturation by 10% instead.


 47.1480, 20.6750,
16.2830


 47.1480, 20.6750,
16.2830

255.0000, -0.0000,
-0.0000


 24.0770, 19.4370,
16.6930


 94.6430, 23.6550,
17.3430


 10.8500, 18.3380,
9.0740

 119.9420, 24.2510,
17.5550

 0.0000, 0.0000,
0.0000


 145.9530, 25.7180,
18.5020


 172.6650, 26.5890,
19.2370


 199.9640, 27.1850,
19.4490


 224.6750, 20.6290,


17.1170


 244.4340, 4.9500,
9.4140


 47.1480, 20.6750,
16.2830


 47.1480, 20.6750,
16.2830


 41.9960, 24.1590,
19.2230


 52.3000, 17.1910,
13.3430


 37.4310, 27.3680,
21.6400


 56.8650, 13.9820,
10.9260

 32.1650, 31.1730,
24.2690

 62.1310, 10.1770,
8.2970

 27.0130, 34.6570,
27.2090

 67.2830, 6.6930,
5.3570

 71.8480, 3.4840,
2.9400

■ 77.0000, -0.0000,
-0.0000

■ 82.1520, -3.4840,
-2.9400

■ 87.3040, -6.9680,
-5.8800

■ 91.9830, -10.4980,
-7.9860

Harmonies

Analogous

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



48.1340, 6.0950, 16.1990



47.1480, 20.6750, 16.2830



46.2810, 27.3700, 10.5860

Triad

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



47.1480, 20.6750, 16.2830



43.3470, 8.6680, -13.9240



40.2480, -38.9250, -4.9170

Complementary

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



47.1480, 20.6750, 16.2830



60.8520, -20.6750, -16.2830

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.



39.1250, -34.3850, -10.1050



47.1480, 20.6750, 16.2830



40.1260, -9.7630, -15.8030

Square

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



47.1480, 20.6750, 16.2830



44.6800, 21.0920, -7.8040



36.9590, -28.2860, -16.0140



38.6980, -40.0720, -0.6480

Rectangle

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



47.1480, 20.6750, 16.2830



45.8910, 28.2880, 4.9600



36.9590, -28.2860, -16.0140



40.2650, -37.5950, -6.9950

Sweetspot

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



47.1480, 20.6750, 16.2830



87.9950, 7.5640, 6.0920



43.7190, 0.1340, 19.6060



43.8590, 4.9510, 3.8870



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.



47.1480, 20.6750, 16.2830



52.9910, 31.7230, 25.3150



45.9280, 26.8660, 8.7060



35.4240, 1.7420, 1.4700



35.8560, 45.7050, 36.2410



80.7400, 103.3750, 81.4150

Inverse Universe

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



47.1480, 20.6750, 16.2830



52.9910, 31.7230, 25.3150



62.0720, -26.8660, -8.7060



35.4240, 1.7420, 1.4700



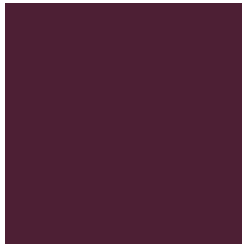
35.8560, 45.7050, 36.2410



80.7400, 103.3750, 81.4150

Previews

White Background



This preview shows how the YIQ color 47.1480, 20.6750, 16.2830 looks on a white background.

Color Contrast Check

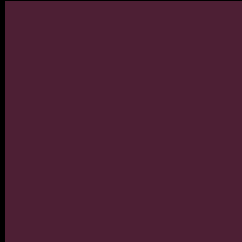
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 47.1480, 20.6750, 16.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

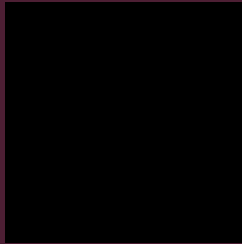
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.1480, 20.6750, 16.2830

Background



This preview shows how black text looks on a background with the YIQ color 47.1480, 20.6750, 16.2830.



This preview shows how white text looks on a background with the YIQ color 47.1480, 20.6750,

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

47.1480, 20.6750, 16.2830

Protanopia

47.6280, -7.5200, 4.1280

Deuteranopia

47.9510, 1.6960, 2.3040



Tritanopia

46.9000, 24.0690, 9.8370

Trichromacy



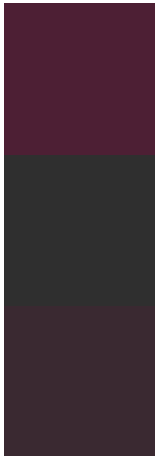
Original Color
47.1480, 20.6750, 16.2830

Protanomaly
47.2380, 2.5660, 8.5660

Deuteranomaly
47.8210, 8.1140, 7.1380

Tritanomaly
46.8830, 22.7390, 11.9150

Monochromacy



Original Color
47.1480, 20.6750, 16.2830

Achromatopsia
47.0000, 0.0000, 0.0000

Achromatomaly
46.9950, 7.5640, 6.0920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.1480, 20.6750, 16.2830 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, 31, 52)` looks like.

```
.text, #text, p{  
    color:rgb(77, 31, 52)  
}
```

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, 31, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 31, 52) }
```

Border

The CSS property to change the border of an element to YIQ 47.1480, 20.6750, 16.2830 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, 31, 52) }
```


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

```
.border{ border-color:rgb(77, 31, 52) }
```

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

Here you see how a box with a 4 pixel rgb(77, 31, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 31, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 31, 52);  
box-shadow:4px 4px 4px 4px rgb(77, 31, 52)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.1480, 20.6750, 16.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 31, 52) }
```

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

```
.background{ background-color: rgb(77, 31,  
52) }
```

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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