

Converting Colors

YIQ(47.5130, 3.7100, 20.8780)

Have a look what the booklet for
YIQ(47.5130, 3.7100, 20.8780)
contains.

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Color

**YIQ(47.5130, 3.7100,
20.8780)**

Conversions

Conversions Part 1

Format	Color
Hex	40214F
RGB	64, 33, 79
RGB Percent	25%, 13%, 31%
CMY	0.7489, 0.8706, 0.6902
CMYK	0.19, 0.58, 0.00, 0.69
HSL	280°, 41%, 22%
HSV	280°, 58%, 31%
XYZ	4.0706, 2.7423, 7.7109
YIQ	47.5130, 3.7100, 20.8780

Conversions

Conversions Part 2

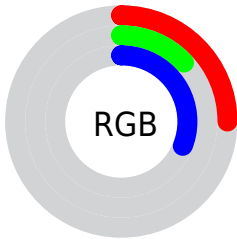
Format	Color
R _Y B	64, 33, 79
Decimal	4202831
CIE Lab	18.98, 24.16, -22.43
CIE LCh	19, 32.967, 317.117
Yxy	2.7423, 0.2803, 0.1888
Android (android.graphics.Color)	4282392911 (0xFF40214F)
YUV	47.5130, 15.5231, 14.4591
Hunter-Lab	16.5599, 14.8979, -16.0157




Details

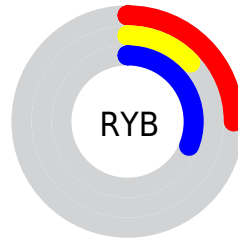
The YIQ color **47.5130, 3.7100, 20.8780** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **64.4870, -3.7100, -20.8780**, and the grayscale version is **47.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **94.7520, 4.5350, 22.4470**, and **10.5680, 1.8770, 15.5490** is the 20% darker color. If you saturate the color by 10%, you get **41.9200, 4.1220, 24.4260**, and if you desaturate by 10%, it is **53.1060, 3.2980, 17.3300**.

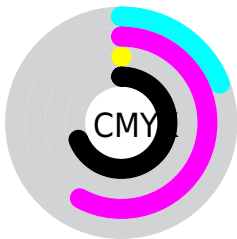
Distribution







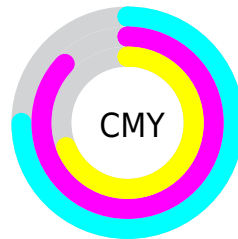
-  Red (25%)
-  Green (13%)
-  Blue (31%)






-  Red (25%)
-  Yellow (13%)
-  Blue (31%)



-  Cyan (19%)
-  Magenta (58%)
-  Yellow (0%)
-  Black (69%)



-  Cyan (75%)
-  Magenta (87%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 47.5130, 3.7100, 20.8780 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 47.5130, 3.7100, 20.8780 by changing the saturation by 10% instead.

47.5130, 3.7100,
20.8780

47.5130, 3.7100,
20.8780

255.0000, -0.0000,
-0.0000

25.1000, 3.4350,
20.3550

94.7520, 4.5350,
22.4470

10.5680, 1.8770,
15.5490

119.6920, 4.7640,
23.8040

0.9120, -2.5680,
2.4880

145.5180, 5.3140,
24.8500

0.0000, 0.0000,
0.0000

172.5180, 5.3140,
24.8500

200.0450, 5.2680,
25.6840

226.5030, 9.6700,

22.9980

245.0210, 4.6750,
8.8910

47.5130, 3.7100,
20.8780

47.5130, 3.7100,
20.8780

41.9200, 4.1220,
24.4260

53.1060, 3.2980,
17.3300

36.6260, 5.1300,
28.1860

58.4000, 2.2900,
13.5700

31.0330, 5.5420,
31.7340

63.9930, 1.8780,
10.0220

25.7390, 6.5500,
35.4940

69.2870, 0.8700,
6.2620

24.8530, 6.2290,
35.8050

74.2930, 0.7330,
3.2370

■ 79.5870, -0.2750,
-0.5230

■ 85.1800, -0.6870,
-4.0710

■ 90.7730, -1.0990,
-7.6190

■ 96.0670, -2.1070,
-11.3790

Harmonies

Analogous

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



42.2960, -29.7120, 9.8400



47.5130, 3.7100, 20.8780



44.5280, 25.7170, 24.0290

Triad

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



47.5130, 3.7100, 20.8780



43.8010, 28.0610, -7.4510



40.2990, -34.9350, -11.1510

Complementary

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



47.5130, 3.7100, 20.8780



64.4870, -3.7100, -20.8780

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.



36.8620, -26.6350, -18.4030



47.5130, 3.7100, 20.8780



42.2180, 13.3450, -16.0870

Square

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



47.5130, 3.7100, 20.8780



43.5560, 36.5410, 4.0690



36.9100, -9.3950, -22.4750



42.1060, -41.4010, -4.0970

Rectangle

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



47.5130, 3.7100, 20.8780



42.7260, 33.7870, 20.9470



36.9100, -9.3950, -22.4750



39.2730, -32.0460, -13.9500

Sweetspot

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



47.5130, 3.7100, 20.8780



90.2270, 1.0990, 7.6190



47.0490, -18.8910, 6.4610



44.2330, 0.9620, 4.5940



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.



47.5130, 3.7100, 20.8780



53.4460, 5.8170, 32.2570



51.0860, 15.2180, 21.5700



35.3530, 0.5040, 1.8800



32.2590, 8.3820, 46.3500



72.5650, 18.5500, 104.3900

Inverse Universe

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



48.4640, 22.6010, 14.4170



54.8510, 34.9330, 22.2050



60.9140, -15.2180, -21.5700



35.4240, 1.7420, 1.4700



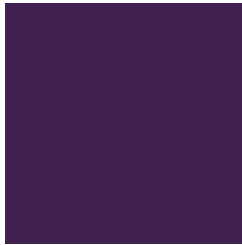
34.2600, 50.1990, 31.8870



77.3200, 113.0050, 72.0850

Previews

White Background



This preview shows how the YIQ color 47.5130, 3.7100, 20.8780 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 47.5130, 3.7100, 20.8780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

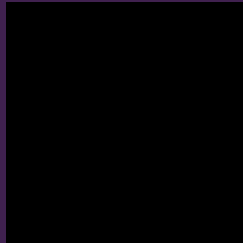
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 47.5130, 3.7100, 20.8780

Background



This preview shows how black text looks on a background with the YIQ color 47.5130, 3.7100, 20.8780.



This preview shows how white text looks on a background with the YIQ color 47.5130, 3.7100,

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

47.5130, 3.7100, 20.8780

Protanopia

42.4700, -30.2620, 8.7940

Deuteranopia

44.6250, -20.6330, 4.9910



Tritanopia

47.4250, 9.1690, 4.5370

Trichromacy



Original Color

47.5130, 3.7100, 20.8780

Protanomaly

44.4500, -18.3420, 13.0340

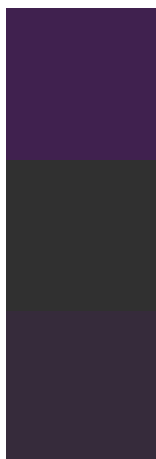
Deuteranomaly

45.6910, -11.8310, 10.6730

Tritanomaly

47.6300, 7.3340, 10.2620

Monochromacy



Original Color

47.5130, 3.7100, 20.8780

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

48.1130, 1.4200, 7.3080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 47.5130, 3.7100, 20.8780 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, 33, 79)` looks like.

```
.text, #text, p{  
    color:rgb(64, 33, 79)  
}
```

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, 33, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 33, 79) }
```

Border

The CSS property to change the border of an element to YIQ 47.5130, 3.7100, 20.8780 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, 33, 79) }
```


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

```
.border{ border-color:rgb(64, 33, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 33, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 33, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 33, 79);  
box-shadow:4px 4px 4px 4px rgb(64, 33, 79)  
}
```

Background

The CSS property to change the background color of an element to YIQ 47.5130, 3.7100, 20.8780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 33, 79) }
```

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

```
.background{ background-color: rgb(64, 33,  
79) }
```

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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