

Converting Colors

YIQ(51.6880, 2.5600, 41.7280)

Have a look what the booklet for
YIQ(51.6880, 2.5600, 41.7280)
contains.

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Color

**YIQ(51.6880, 2.5600,
41.7280)**

Conversions

Conversions Part 1

Format	Color
Hex	501878
RGB	80, 24, 120
RGB Percent	31%, 9%, 47%
CMY	0.6861, 0.9060, 0.5295
CMYK	0.33, 0.80, 0.00, 0.53
HSL	275°, 67%, 28%
HSV	275°, 80%, 47%
XYZ	7.0277, 3.7156, 18.1109
YIQ	51.6880, 2.5600, 41.7280

Conversions

Conversions Part 2

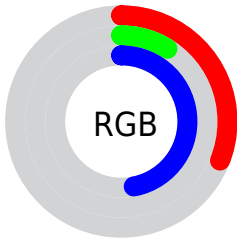
Format	Color
R_{YB}	80, 24, 120
Decimal	5249144
CIE _{Lab}	22.71, 43.01, -43.25
CIE _{LCh}	23, 61.001, 314.842
Yxy	3.7156, 0.2436, 0.1288
Android (android.graphics.Color)	4283439224 (0xFF501878)
YUV	51.6880, 33.6778, 24.8296
Hunter-Lab	19.2759, 31.3461, -42.2135

Details

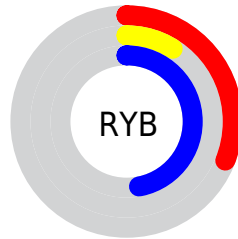
The YIQ color **51.6880, 2.5600, 41.7280** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **92.3120, -2.5600, -41.7280**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **102.9270, 3.3850, 43.2970**, and **17.0640, -4.9110, 28.4410** is the 20% darker color. If you saturate the color by 10%, you get **43.1490, 2.8800, 46.9440**, and if you desaturate by 10%, it is **60.2270, 2.2400, 36.5120**.

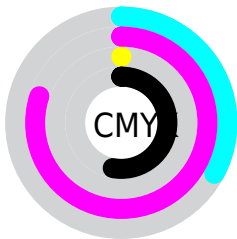
Distribution



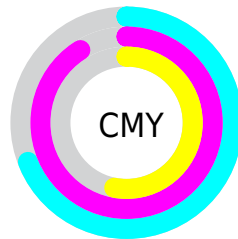
- Red (31%)
- Green (9%)
- Blue (47%)



- Red (31%)
- Yellow (9%)
- Blue (47%)



- Cyan (33%)
- Magenta (80%)
- Yellow (0%)
- Black (53%)



- Cyan (69%)
- Magenta (91%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.6880, 2.5600, 41.7280 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 51.6880, 2.5600, 41.7280 by changing the saturation by 10% instead.

■ 51.6880, 2.5600,
41.7280

■ 51.6880, 2.5600,
41.7280

■ 255.0000, -0.0000,
-0.0000

■ 26.9760, 1.6890,
40.9930

■ 102.9270, 3.3850,
43.2970

■ 16.9500, -4.5900,
28.1300

■ 129.7530, 3.9350,
44.3430

■ 5.3580, -15.0870,
14.6170

■ 155.9920, 4.7600,
45.9120

■ 3.4370, -8.3000,
7.2520

■ 183.1770, 5.6770,
45.8130

■ 0.0000, 0.0000,
0.0000

■ 207.9960, 16.1320,
38.0520


■ 226.8240, 13.2000,

25.1040


 243.8470, 5.2250,
9.9370


 51.6880, 2.5600,
41.7280


 51.6880, 2.5600,
41.7280

 43.1490, 2.8800,
46.9440

 60.2270, 2.2400,
36.5120

 34.6100, 3.2000,
52.1600

 68.7660, 1.9200,
31.2960

 77.3050, 1.6000,
26.0800

 85.8440, 1.2800,
20.8640

 94.3830, 0.9600,
15.6480

■ 102.9220, 0.6400,
10.4320

■ 111.4610, 0.3200,
5.2160

■ 120.0000, -0.0000,
-0.0000

■ 128.5390, -0.3200,
-5.2160

Harmonies

Analogous

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



47.5270, -60.7990, 17.0650



51.6880, 2.5600, 41.7280



44.8860, 46.1610, 50.0090

Triad

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



51.6880, 2.5600, 41.7280



51.5420, 39.1560, -4.7800



50.4550, -44.2420, -13.1860

Complementary

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



51.6880, 2.5600, 41.7280



92.3120, -2.5600, -41.7280

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.



44.2820, -28.2380, -27.9020



51.6880, 2.5600, 41.7280



48.6860, 11.7870, -20.8930

Square

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



51.6880, 2.5600, 41.7280



37.3200, 67.1650, 21.7650



39.3290, -18.4250, -35.0410



55.2430, -57.7240, -0.1240

Rectangle

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



51.6880, 2.5600, 41.7280



43.8580, 60.5590, 42.3750



39.3290, -18.4250, -35.0410



48.6310, -39.1060, -18.1620

Sweetspot

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



51.6880, 2.5600, 41.7280



128.9100, 0.9140, 16.4820



58.4240, -41.8160, 8.9360



62.8080, 0.9610, 10.1210



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



51.6880, 2.5600, 41.7280



49.1130, 3.7020, 65.0940



62.7360, 28.9680, 47.7200



56.8800, 0.4580, 2.7140



36.0770, 3.3830, 54.3510



72.6810, 6.7200, 109.5360

Inverse Universe

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



57.2640, 44.3760, 32.7920



57.9180, 69.4980, 51.0820



81.2640, -28.9680, -47.7200



57.1360, 2.6130, 2.2050



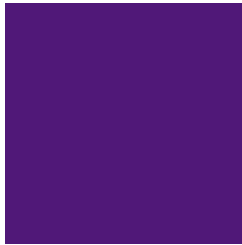
43.3030, 57.8080, 42.6720



87.3180, 116.4870, 86.0790

Previews

White Background



This preview shows how the YIQ color 51.6880, 2.5600, 41.7280 looks on a white background.

Color Contrast Check

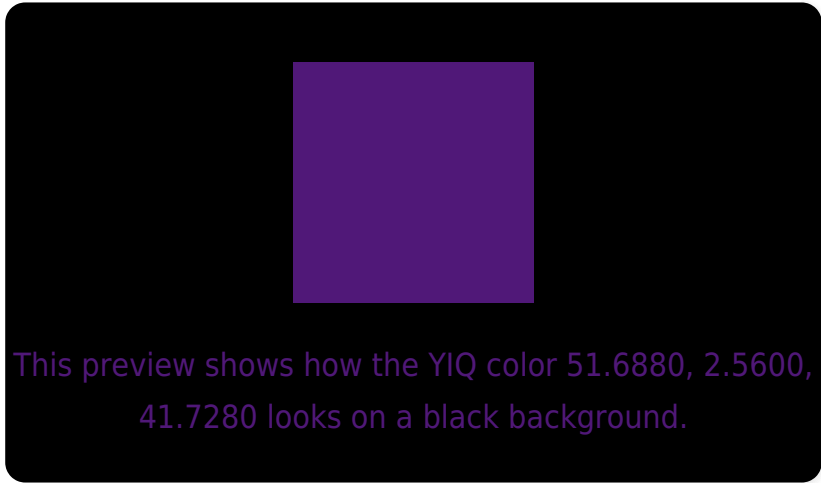
Large Text (above 18pt) WCAG AA ✓ Pass

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

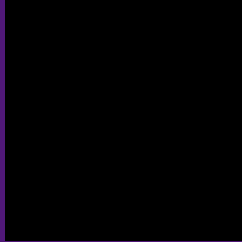
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.6880, 2.5600, 41.7280

Background



This preview shows how black text looks on a background with the YIQ color 51.6880, 2.5600, 41.7280.



This preview shows how white text looks on a background with the YIQ color 51.6880, 2.5600,

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

51.6880, 2.5600, 41.7280

Protanopia

44.5800, -51.1230, 6.9010

Deuteranopia

44.6310, -47.1330, 0.6670



Tritanopia

56.5390, 8.8480, 4.8480

Trichromacy



Original Color

51.6880, 2.5600, 41.7280

Protanomaly

47.1360, -31.7770, 19.7350

Deuteranomaly

47.1700, -29.1170, 15.5790

Tritanomaly

54.6010, 6.2780, 18.3900

Monochromacy



Original Color

51.6880, 2.5600, 41.7280

Achromatopsia

52.0000, -0.0000, -0.0000

Achromatomaly

51.9700, 0.6850, 15.1250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.6880, 2.5600, 41.7280 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(80, 24, 120)` looks like.

```
.text, #text, p{  
    color:rgb(80, 24, 120)  
}
```

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(80, 24, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 24, 120) }
```

Border

The CSS property to change the border of an element to YIQ 51.6880, 2.5600, 41.7280 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(80, 24, 120) }
```


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

```
.border{ border-color:rgb(80, 24, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 24, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 24, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 24, 120);  
box-shadow:4px 4px 4px 4px rgb(80, 24,  
120) }
```

Background

The CSS property to change the background color of an element to YIQ 51.6880, 2.5600, 41.7280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 24, 120) }
```

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

```
.background{ background-color: rgb(80, 24,  
120) }
```

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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