

Converting Colors

YIQ(42.0170, 19.6660, 18.0500)

Have a look what the booklet for
YIQ(42.0170, 19.6660, 18.0500)
contains.

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Color

**YIQ(42.0170, 19.6660,
18.0500)**

Conversions

Conversions Part 1

Format	Color
Hex	481933
RGB	72, 25, 51
RGB Percent	28%, 10%, 20%
CMY	0.7175, 0.9020, 0.7999
CMYK	0.00, 0.65, 0.29, 0.72
HSL	327°, 49%, 19%
HSV	327°, 65%, 28%
XYZ	3.6200, 2.3125, 3.3892
YIQ	42.0170, 19.6660, 18.0500

Conversions

Conversions Part 2

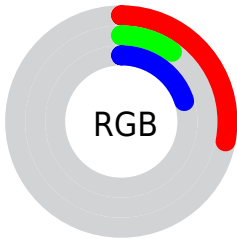
Format	Color
R_{YB}	72, 25, 51
Decimal	4725043
CIE Lab	17.05, 25.77, -5.93
CIE LCh	17, 26.449, 347.037
Yxy	2.3125, 0.3883, 0.2481
Android (android.graphics.Color)	4282915123 (0xFF481933)
YUV	42.0170, 4.4286, 26.2951
Hunter-Lab	15.2070, 15.8792, -2.5692

Details

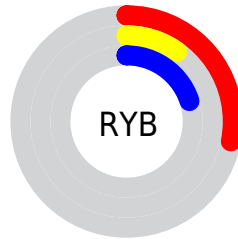
The YIQ color **42.0170, 19.6660, 18.0500** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **54.9830, -19.6660, -18.0500**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.2130, 22.0500, 18.8980**, and **7.8170, 13.9370, 6.2330** is the 20% darker color. If you saturate the color by 10%, you get **37.5660, 22.5540, 20.7780**, and if you desaturate by 10%, it is **46.4680, 16.7780, 15.3220**.

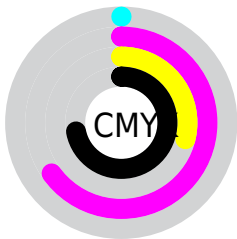
Distribution



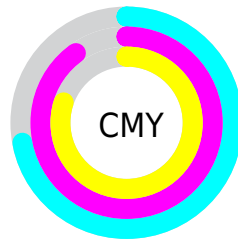
- Red (28%)
- Green (10%)
- Blue (20%)



- Red (28%)
- Yellow (10%)
- Blue (20%)



- Cyan (0%)
- Magenta (65%)
- Yellow (29%)
- Black (72%)



- Cyan (72%)
- Magenta (90%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.0170, 19.6660, 18.0500 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 42.0170, 19.6660, 18.0500 by changing the saturation by 10% instead.

■ 42.0170, 19.6660,
18.0500

■ 42.0170, 19.6660,
18.0500

■ 255.0000, -0.0000,
-0.0000

■ 18.9460, 18.4280,
18.4600

■ 89.2130, 22.0500,
18.8980

■ 8.1160, 14.5330,
6.4450

■ 114.2240, 23.5170,
19.8450

■ 0.0000, 0.0000,
0.0000


■ 140.5230, 24.1130,
20.0570


■ 167.2350, 24.9840,
20.7920


■ 194.5340, 25.5800,
21.0040


■ 220.4520, 22.8750,


20.4670


 239.7380, 7.1500,
13.5980


 42.0170, 19.6660,
18.0500


 42.0170, 19.6660,
18.0500


 37.5660, 22.5540,
20.7780


 46.4680, 16.7780,
15.3220


 33.1150, 25.4420,
23.5060


 50.9190, 13.8900,
12.5940

 27.9630, 28.9260,
26.4460

 56.0710, 10.4060,
9.6540

 26.0880, 30.0720,
27.7040

 60.5220, 7.5180,
6.9260

 64.9730, 4.6300,
4.1980

■ 69.4240, 1.7420,
1.4700

■ 73.9890, -1.4670,
-0.9470

■ 79.0270, -4.6300,
-4.1980

■ 83.4780, -7.5180,
-6.9260

Harmonies

Analogous

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



43.2800, 2.7480, 16.2840



42.0170, 19.6660, 18.0500



40.4600, 28.4240, 13.5120

Triad

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



42.0170, 19.6660, 18.0500



38.3860, 12.9320, -14.1080



37.2160, -35.8990, -4.6910

Complementary

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



42.0170, 19.6660, 18.0500



54.9830, -19.6660, -18.0500

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.



35.9790, -31.0380, -10.1900



42.0170, 19.6660, 18.0500



35.4530, -6.3700, -16.7220

Square

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



42.0170, 19.6660, 18.0500



39.9470, 24.7140, -7.3660



33.1120, -24.3430, -15.8870



36.0080, -38.0090, 0.5110

Rectangle

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



42.0170, 19.6660, 18.0500



40.8420, 29.9840, 7.2640



33.1120, -24.3430, -15.8870



36.6460, -34.2940, -6.2460

Sweetspot

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



42.0170, 19.6660, 18.0500



81.9350, 7.7930, 7.4490



36.3380, -3.1670, 18.8570



40.9730, 4.6300, 4.1980



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



42.0170, 19.6660, 18.0500



47.3870, 30.6680, 27.9160



39.3950, 27.0490, 10.8970



33.4240, 1.7420, 1.4700



35.8710, 41.3490, 38.0930



82.2370, 94.8460, 87.3100

Inverse Universe

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



42.0170, 19.6660, 18.0500



47.3870, 30.6680, 27.9160



57.6050, -27.0490, -10.8970



33.4240, 1.7420, 1.4700



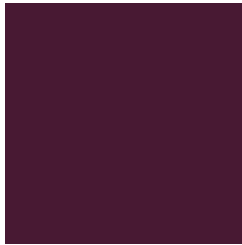
35.8710, 41.3490, 38.0930



82.2370, 94.8460, 87.3100

Previews

White Background



This preview shows how the YIQ color 42.0170, 19.6660, 18.0500 looks on a white background.

Color Contrast Check

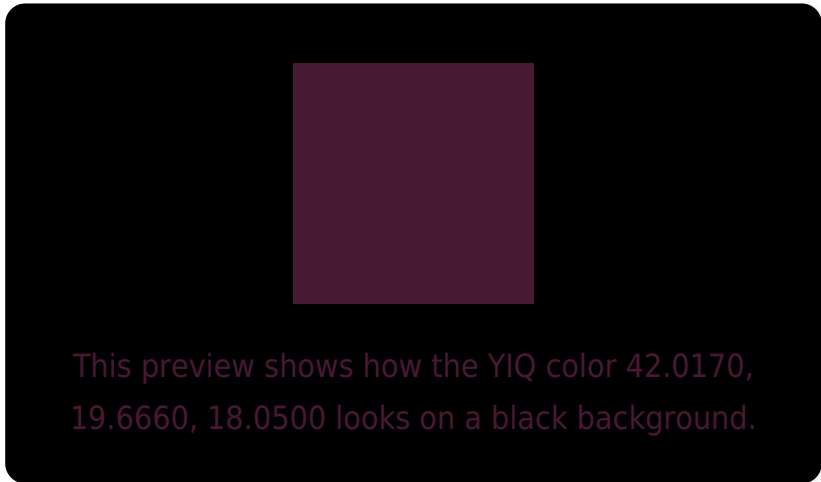
Large Text (above 18pt) WCAG AA ✓ Pass

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

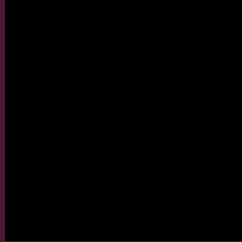
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.0170, 19.6660, 18.0500

Background



This preview shows how black text looks on a background with the YIQ color 42.0170, 19.6660, 18.0500.



This preview shows how white text looks on a background with the YIQ color 42.0170, 19.6660,

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

42.0170, 19.6660, 18.0500

Protanopia

42.6000, -10.3170, 5.2590

Deuteranopia

43.6950, -0.4590, 2.8130



Tritanopia

42.1880, 23.1980, 9.1020

Trichromacy



Original Color

42.0170, 19.6660, 18.0500

Protanomaly

42.5090, 0.3650, 9.9090

Deuteranomaly

43.2770, 6.8300, 8.3820

Tritanomaly

42.1110, 22.0970, 12.5370

Monochromacy



Original Color

42.0170, 19.6660, 18.0500

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

42.1090, 7.2430, 6.4030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.0170, 19.6660, 18.0500 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(72, 25, 51)` looks like.

```
.text, #text, p{  
    color:rgb(72, 25, 51)  
}
```

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(72, 25, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 25, 51) }
```

Border

The CSS property to change the border of an element to YIQ 42.0170, 19.6660, 18.0500 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(72, 25, 51) }
```


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

```
.border{ border-color:rgb(72, 25, 51) }
```

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

Here you see how a box with a 4 pixel rgb(72, 25, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 25, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 25, 51);  
box-shadow:4px 4px 4px 4px rgb(72, 25, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 42.0170, 19.6660, 18.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 25, 51) }
```

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

```
.background{ background-color: rgb(72, 25,  
51) }
```

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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