

# Converting Colors

YIQ(18.6420, 16.2280, 14.2760)

Have a look what the booklet for  
YIQ(18.6420, 16.2280, 14.2760)  
contains.

<b>YIQ(18.6420, 16.2280, 14.2760)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(18.6420, 16.2280,  
14.2760)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2B0519
RGB	43, 5, 25
RGB Percent	17%, 2%, 10%
CMY	0.8313, 0.9804, 0.9019
CMYK	0.00, 0.88, 0.42, 0.83
HSL	328°, 79%, 9%
HSV	328°, 88%, 17%
XYZ	1.2271, 0.6926, 0.9894
YIQ	18.6420, 16.2280, 14.2760

# Conversions

## Conversions Part 2

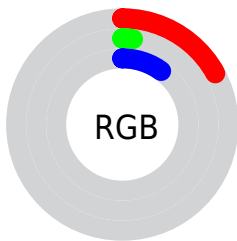
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 5, 25
Decimal	2819353
CIE Lab	6.26, 21.36, -3.36
CIE LCh	6, 21.626, 351.055
Yxy	0.6926, 0.4218, 0.2381
Android (android.graphics.Color)	4281009433 (0xFF2B0519)
YUV	18.6420, 3.1345, 21.3620
Hunter-Lab	8.3222, 11.7548, -1.2233

# Details

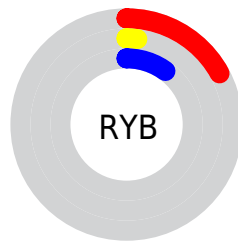
The YIQ color **18.6420, 16.2280, 14.2760** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29.3580, -16.2280, -14.2760**, and the grayscale version is **19.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **63.4250, 18.3370, 14.6010**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **16.0660, 17.9700, 15.7460**, and if you desaturate by 10%, it is **21.2180, 14.4860, 12.8060**.

# Distribution



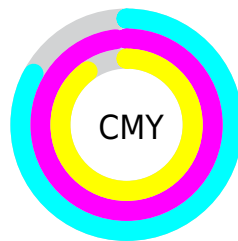
- Red (17%)
- Green (2%)
- Blue (10%)



- Red (17%)
- Yellow (2%)
- Blue (10%)



- Cyan (0%)
- Magenta (88%)
- Yellow (42%)
- Black (83%)



- Cyan (83%)
- Magenta (98%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 18.6420, 16.2280, 14.2760 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 18.6420, 16.2280, 14.2760 by changing the saturation by 10% instead.



■ 18.6420, 16.2280,  
14.2760

■ 18.6420, 16.2280,  
14.2760

■ 239.8690, 8.1590,  
11.8310

■ 3.8870, 7.7480,  
2.7560

■ 63.4250, 18.3370,  
14.6010

■ 0.0000, 0.0000,  
0.0000

■ 87.3220, 20.1250,  
15.2370

■ 112.6210, 20.7210,  
15.4490


■ 138.2190, 21.9130,  
15.8730


■ 164.6320, 22.1880,  
16.3960


■ 191.3440, 23.0590,


17.1310


 219.6430, 23.6550,  
17.3430


 18.6420, 16.2280,  
14.2760


 18.6420, 16.2280,  
14.2760


 16.0660, 17.9700,  
15.7460


 21.2180, 14.4860,  
12.8060

 15.4790, 18.2450,  
16.2690

 24.3810, 12.4690,  
10.8130

 26.9570, 10.7270,  
9.3430

 29.5330, 8.9850,  
7.8730

 32.1090, 7.2430,  
6.4030

■ 35.2720, 5.2260,  
4.4100

■ 37.8480, 3.4840,  
2.9400

■ 40.4240, 1.7420,  
1.4700

■ 43.5870, -0.2750,  
-0.5230

# Harmonies

## Analogous

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



20.6560, 4.4450, 13.0610



18.6420, 16.2280, 14.2760



17.2590, 24.4360, 8.6920

# Triad

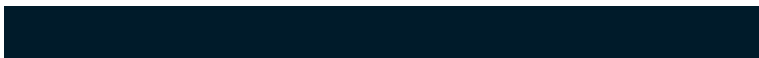
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.6420, 16.2280, 14.2760



17.6870, 2.0190, -9.0610



20.6370, -20.9070, -1.0590

# Complementary

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



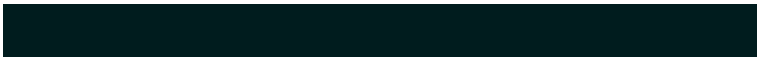
18.6420, 16.2280, 14.2760



29.3580, -16.2280, -14.2760

# 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.



19.8560, -17.3300, -5.3140



18.6420, 16.2280, 14.2760



15.2620, -7.1500, -13.5980

# Square

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



18.6420, 16.2280, 14.2760



19.2480, 13.8010, -2.3190



17.9180, -11.8730, -10.6010



18.9730, -21.7330, 2.8990



# Rectangle

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



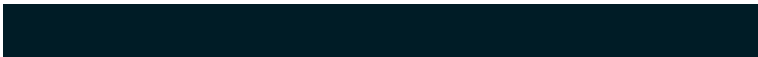
18.6420, 16.2280, 14.2760



17.5530, 23.4280, 4.9320



17.9180, -11.8730, -10.6010



20.7680, -19.8980, -2.8260

# Sweetspot

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



18.6420, 16.2280, 14.2760



46.3970, 6.3720, 5.6680



14.7140, -1.4700, 15.6340



22.2610, 3.7590, 3.4630



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000



# Same Dimension

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



18.6420, 16.2280, 14.2760



20.1640, 23.7460, 21.2020



16.4760, 22.3270, 8.3670



18.7120, 0.8710, 0.7350



30.1320, 35.9400, 31.4920



76.0420, 90.7210, 79.4650



# Inverse Universe

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



18.6420, 16.2280, 14.2760



20.1640, 23.7460, 21.2020



31.5240, -22.3270, -8.3670



18.7120, 0.8710, 0.7350



30.1320, 35.9400, 31.4920

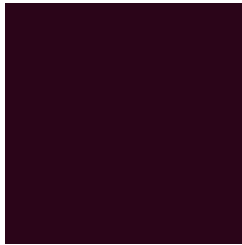


76.0420, 90.7210, 79.4650



# Previews

## White Background



This preview shows how the YIQ color 18.6420, 16.2280, 14.2760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

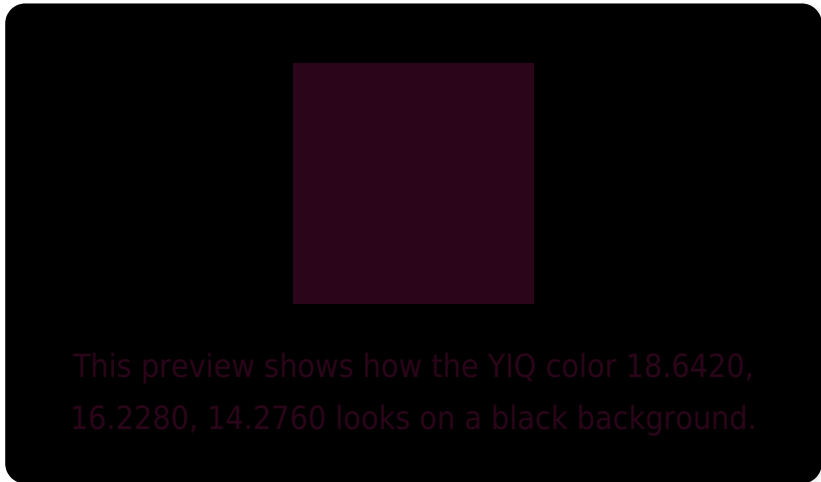
Any Text WCAG AA ✓ Pass

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

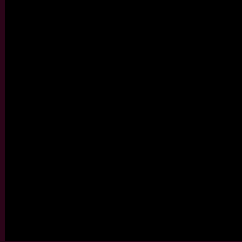
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 18.6420, 16.2280, 14.2760

## Background



This preview shows how black text looks on a background with the YIQ color 18.6420, 16.2280, 14.2760.



This preview shows how white text looks on a background with the YIQ color 18.6420, 16.2280,



# 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

18.6420, 16.2280, 14.2760

### Protanopia

22.8730, -6.8320, 2.6720

### Deuteranopia

23.0110, 1.4670, 0.9470



## Tritanopia

20.2690, 18.4760, 6.5720

# Trichromacy



## Original Color

18.6420, 16.2280, 14.2760

## Protanomaly

20.9990, 1.7410, 6.9970

## Deuteranomaly

21.6960, 6.9680, 5.8800

## Tritanomaly

19.6650, 17.4210, 9.1730

# Monochromacy



## Original Color

18.6420, 16.2280, 14.2760

## Achromatopsia

19.0000, -0.0000, -0.0000

## Achromatomaly

18.9840, 6.0970, 5.1450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 18.6420, 16.2280, 14.2760 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(43, 5, 25)` looks like.

```
.text, #text, p{  
    color:rgb(43, 5, 25)  
}
```

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(43, 5, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 5, 25) }
```

## Border

The CSS property to change the border of an element to YIQ 18.6420, 16.2280, 14.2760 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(43, 5, 25) }
```



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

```
.border{ border-color:rgb(43, 5, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 5, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 5, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 5, 25); box-shadow:4px  
4px 4px 4px rgb(43, 5, 25) }
```

# Background

The CSS property to change the background color of an element to YIQ 18.6420, 16.2280, 14.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 5, 25) }
```

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

```
.background{ background-color: rgb(43, 5,  
25) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor