

# Converting Colors

YIQ(19.1360, 38.1440, 13.5680)

Have a look what the booklet for  
YIQ(19.1360, 38.1440, 13.5680)  
contains.

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# Color

**YIQ(19.1360, 38.1440,  
13.5680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	400000
RGB	64, 0, 0
RGB Percent	25%, 0%, 0%
CMY	0.7489, 1.0000, 0.9998
CMYK	0.00, 1.00, 1.00, 0.75
HSL	360°, 100%, 13%
HSV	360°, 100%, 25%
XYZ	2.1171, 1.0914, 0.1002
YIQ	19.1360, 38.1440, 13.5680

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">64, 0, 0</a>
Decimal	<a href="#">4194304</a>
CIELab	<a href="#">9.73, 29.77, 15.34</a>
CIELCh	<a href="#">10, 33.495, 27.264</a>
Yxy	<a href="#">1.0914, 0.6399, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4282384384 (0xFF400000)</a>
YUV	<a href="#">19.1360, -9.4340, 39.3457</a>
Hunter-Lab	<a href="#">10.4469, 17.8914, 6.7443</a>

# Details

The YIQ color **19.1360, 38.1440, 13.5680** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **44.8640, -38.1440, -13.5680**, and the grayscale version is **19.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **68.9190, 40.2530, 13.8930**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **19.1360, 38.1440, 13.5680**, and if you desaturate by 10%, it is **23.3420, 34.5680, 12.2960**.

# Distribution



Red (25%)

Green (0%)

Blue (0%)



Red (25%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (75%)



Cyan (75%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 19.1360, 38.1440, 13.5680 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 19.1360, 38.1440, 13.5680 by changing the saturation by 10% instead.



■ 19.1360, 38.1440,  
13.5680

■ 19.1360, 38.1440,  
13.5680

■ 238.1930, 15.6340,  
3.0100

■ 12.3730, 24.1150,  
9.0030

■ 68.9190, 40.2530,  
13.8930

■ 0.0000, 0.0000,  
0.0000

■ 93.8870, 43.2790,  
14.1190


■ 119.0830, 45.6630,  
14.9670


■ 145.7520, 48.0930,  
14.9810


■ 172.6490, 49.8810,  
15.6170


■ 199.0510, 48.6890,


15.1930


 218.5650, 32.3220,  
8.9460


 19.1360, 38.1440,  
13.5680

 23.3420, 34.5680,  
12.2960

 28.2490, 30.3960,  
10.8120

 32.4550, 26.8200,  
9.5400

 37.3620, 22.6480,  
8.0560

 41.5680, 19.0720,  
6.7840

■ 45.7740, 15.4960,  
5.5120

■ 50.6810, 11.3240,  
4.0280

■ 54.8870, 7.7480,  
2.7560

■ 59.7940, 3.5760,  
1.2720

# Harmonies

## Analogous

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



22.5560, 28.5140, 22.8980



19.1360, 38.1440, 13.5680



24.6520, 27.4630, 3.3910

# Triad

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



19.1360, 38.1440, 13.5680



20.5450, -9.6250, -18.3050



26.5190, -31.9580, 6.4900

# Complementary

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



19.1360, 38.1440, 13.5680



44.8640, -38.1440, -13.5680

# 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.



27.9550, -30.4900, 1.9100



19.1360, 38.1440, 13.5680



24.4550, -17.8790, -11.8870

# Square

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



19.1360, 38.1440, 13.5680



22.9700, -0.4560, -13.7680



27.0770, -25.2620, -4.7340



25.4500, -18.3420, 13.0340



# Rectangle

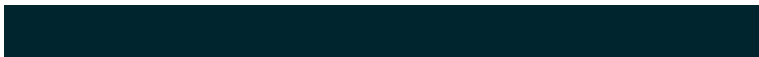
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.1360, 38.1440, 13.5680



25.7710, 19.5780, -2.3900



27.0770, -25.2620, -4.7340



27.5790, -32.1870, 5.1330

# Sweetspot

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



19.1360, 38.1440, 13.5680



66.4750, 14.9000, 5.3000



26.1330, 17.0040, 33.2600



32.4850, 8.9400, 3.1800



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000



# Same Dimension

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



19.1360, 38.1440, 13.5680



25.1160, 50.0640, 17.8080



37.3330, 29.6190, -2.6450



30.8970, 1.7880, 0.6360



29.0030, 57.8120, 20.5640



66.9760, 133.5040, 47.4880



# Inverse Universe

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



19.1360, 38.1440, 13.5680



25.1160, 50.0640, 17.8080



26.6670, -29.6190, 2.6450



30.8970, 1.7880, 0.6360



29.0030, 57.8120, 20.5640

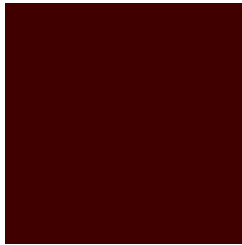


66.9760, 133.5040, 47.4880



# Previews

## White Background



This preview shows how the YIQ color 19.1360, 38.1440, 13.5680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

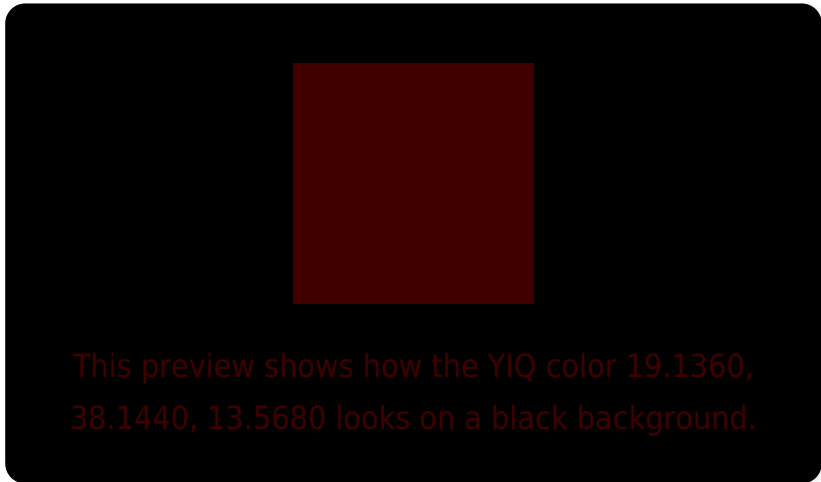
Any Text WCAG AA ✓ Pass

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

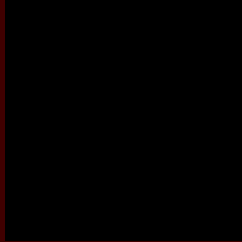
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 19.1360, 38.1440, 13.5680

## Background



This preview shows how black text looks on a background with the YIQ color 19.1360, 38.1440, 13.5680.



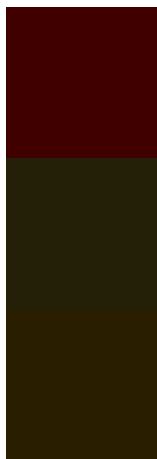
This preview shows how white text looks on a background with the YIQ color 19.1360, 38.1440,



# 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

19.1360, 38.1440, 13.5680

### Protanopia

30.4600, 10.0880, -6.6160

### Deuteranopia

30.4560, 15.9110, -7.5210



## Tritanopia

22.6580, 36.4940, 10.4300

# Trichromacy



## Original Color

19.1360, 38.1440, 13.5680

## Protanomaly

26.0640, 20.3110, 0.8470

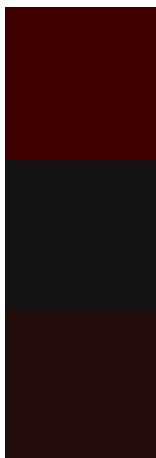
## Deuteranomaly

26.3910, 23.7040, -0.0720

## Tritanomaly

21.4840, 37.0440, 11.4760

# Monochromacy



## Original Color

19.1360, 38.1440, 13.5680

## Achromatopsia

19.0000, -0.0000, -0.0000

## Achromatomaly

18.8770, 13.7080, 4.8760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 19.1360, 38.1440, 13.5680 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, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 0)  
}
```

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, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 19.1360, 38.1440, 13.5680 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, 0, 0) }
```



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

```
.border{ border-color:rgb(64, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(64, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 0, 0); box-shadow:4px  
4px 4px 4px rgb(64, 0, 0) }
```

# Background

The CSS property to change the background color of an element to YIQ 19.1360, 38.1440, 13.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 0) }
```

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

```
.background{ background-color: rgb(64, 0,  
0) }
```

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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