

# Converting Colors

YIQ(36.1850, 18.1120, -8.8640)

Have a look what the booklet for  
YIQ(36.1850, 18.1120, -8.8640)  
contains.

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# Color

**YIQ(36.1850, 18.1120,  
-8.8640)**

# Conversions

## Conversions Part 1

Format	Color
Hex	302501
RGB	48, 37, 1
RGB Percent	19%, 15%, 0%
CMY	0.8118, 0.8549, 0.9960
CMYK	0.00, 0.23, 0.98, 0.81
HSL	46°, 96%, 10%
HSV	46°, 98%, 19%
XYZ	1.8860, 1.9535, 0.3071
YIQ	36.1850, 18.1120, -8.8640

# Conversions

## Conversions Part 2

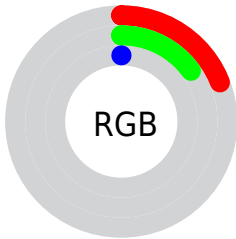
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	15, 48, 1
Decimal	3155201
CIE Lab	15.24, 0.70, 21.89
CIE LCh	15, 21.897, 88.158
Yxy	1.9535, 0.4548, 0.4711
Android (android.graphics.Color)	4281345281 (0xFF302501)
YUV	36.1850, -17.3462, 10.3618
Hunter-Lab	13.9767, -0.3726, 8.4810

# Details

The YIQ color **36.1850, 18.1120, -8.8640** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12.8150, -18.1120, 8.8640**, and the grayscale version is **36.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.4240, 18.9370, -7.2950**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.0710, 18.4330, -9.1750**, and if you desaturate by 10%, it is **37.3420, 16.2320, -7.8320**.

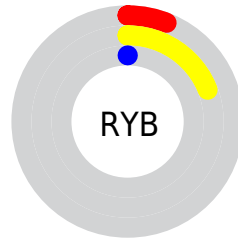
# Distribution



Red (19%)

Green (15%)

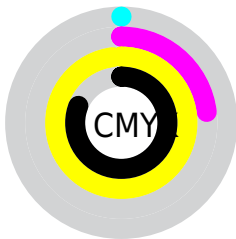
Blue (0%)



Red (6%)

Yellow (19%)

Blue (0%)

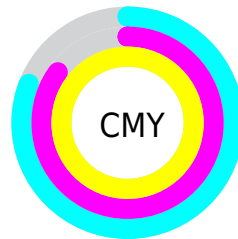


Cyan (0%)

Magenta (23%)

Yellow (98%)

Black (81%)



Cyan (81%)

Magenta (85%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 36.1850, 18.1120, -8.8640 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 36.1850, 18.1120, -8.8640 by changing the saturation by 10% instead.



■ 36.1850, 18.1120,  
-8.8640

■ 36.1850, 18.1120,  
-8.8640

■ 251.8080, 8.9880,  
-8.7080

■ 16.8670, 10.5000,  
-3.0680

■ 81.4240, 18.9370,  
-7.2950

■ 0.0000, 0.0000,  
0.0000

■ 106.4950, 20.1750,  
-7.7050

■ 131.5660, 21.4130,  
-8.1150

■ 157.7510, 22.3300,  
-8.2140

■ 184.3490, 23.5220,  
-7.7900

■ 212.2350, 23.8430,

-8.1010

■ 239.2240, 22.3760,  
-9.0480

■ 36.1850, 18.1120,  
-8.8640

■ 36.1850, 18.1120,  
-8.8640

■ 36.0710, 18.4330,  
-9.1750

■ 37.3420, 16.2320,  
-7.8320

■ 38.4990, 14.3520,  
-6.8000

■ 39.5420, 12.7930,  
-6.0790

■ 40.6990, 10.9130,  
-5.0470

■ 42.4430, 8.7580,  
-4.5380

■ 43.6000, 6.8780,  
-3.5060

■ 44.7570, 4.9980,  
-2.4740

■ 45.8000, 3.4390,  
-1.7530

■ 46.9570, 1.5590,  
-0.7210

# Harmonies

## Analogous

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



36.9780, 23.4290, -0.5950



36.1850, 18.1120, -8.8640



35.3190, 5.8710, -12.7930

# Triad

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



36.1850, 18.1120, -8.8640



32.9300, -29.3420, -7.8860



39.4500, 8.0210, 14.3330

# Complementary

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



36.1850, 18.1120, -8.8640



12.8150, -18.1120, 8.8640

# 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.



39.0180, -8.4380, 9.7540



36.1850, 18.1120, -8.8640



33.1240, -32.6440, -3.1080

# Square

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



36.1850, 18.1120, -8.8640



31.2200, -24.5270, -12.5510



31.3460, -33.1490, 0.5390



38.0830, 19.3000, 13.6680



# Rectangle

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



36.1850, 18.1120, -8.8640



33.3330, -5.9120, -14.0080



31.3460, -33.1490, 0.5390



39.5850, 3.2070, 13.4710

# Sweetspot

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



36.1850, 18.1120, -8.8640



56.6000, 6.8780, -3.5060



16.4210, 24.1600, 13.6960



27.9850, 4.3560, -1.8520



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000



# Same Dimension

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



36.1850, 18.1120, -8.8640



45.8280, 23.4310, -11.6490



39.0540, 7.9350, -17.1610



22.1850, 0.9170, -0.0990



64.7550, 33.7020, -16.0740



160.2540, 82.4440, -40.4040



# Inverse Universe

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



12.8150, -18.1120, 8.8640



15.1720, -23.4310, 11.6490



9.9460, -7.9350, 17.1610



21.2280, -0.6420, 0.6220



21.6580, -33.4270, 16.5970

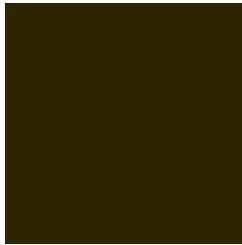


53.7460, -82.4440, 40.4040



# Previews

## White Background



This preview shows how the YIQ color 36.1850, 18.1120, -8.8640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

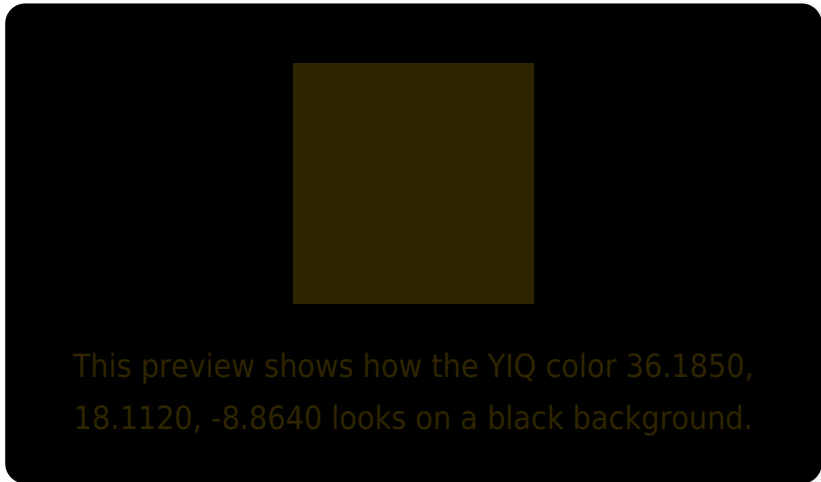
Any Text WCAG AA ✓ Pass

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

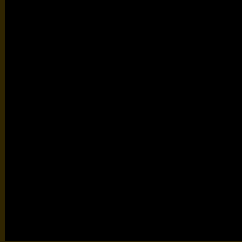
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 36.1850, 18.1120, -8.8640

## Background



This preview shows how black text looks on a background with the YIQ color 36.1850, 18.1120, -8.8640.



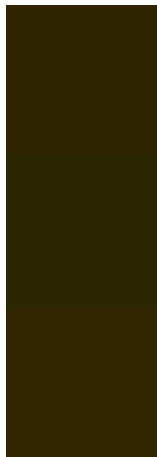
This preview shows how white text looks on a background with the YIQ color 36.1850, 18.1120,

-8.8640.

# 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

36.1850, 18.1120, -8.8640

### Protanopia

36.3910, 14.5360, -10.1360

### Deuteranopia

36.5980, 18.3870, -8.3410



## Tritanopia

39.1260, 8.5730, 4.3250

# Trichromacy



## Original Color

36.1850, 18.1120, -8.8640

## Protanomaly

35.9890, 15.7280, -9.7120

## Deuteranomaly

36.5980, 18.3870, -8.3410

## Tritanomaly

37.9320, 11.8750, -0.4530

# Monochromacy



## Original Color

36.1850, 18.1120, -8.8640

## Achromatopsia

36.0000, -0.0000, 0.0000

## Achromatomaly

35.7140, 6.5570, -3.1950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.1850, 18.1120, -8.8640 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(48, 37, 1)` looks like.

```
.text, #text, p{  
    color:rgb(48, 37, 1)  
}
```

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(48, 37, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 37, 1) }
```

## Border

The CSS property to change the border of an element to YIQ 36.1850, 18.1120, -8.8640 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(48, 37, 1) }
```



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

```
.border{ border-color:rgb(48, 37, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 37, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 37, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(48, 37, 1); box-shadow:4px  
4px 4px 4px rgb(48, 37, 1) }
```

# Background

The CSS property to change the background color of an element to YIQ 36.1850, 18.1120, -8.8640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 37, 1) }
```

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

```
.background{ background-color: rgb(48, 37,  
1) }
```

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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