

# Converting Colors

YIQ(36.1770, 21.7310, 8.1550)

Have a look what the booklet for  
YIQ(36.1770, 21.7310, 8.1550)  
contains.

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# Color

**YIQ(36.1770, 21.7310,  
8.1550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3E191A
RGB	62, 25, 26
RGB Percent	24%, 10%, 10%
CMY	0.7568, 0.9020, 0.8980
CMYK	0.00, 0.60, 0.58, 0.76
HSL	358°, 43%, 17%
HSV	358°, 60%, 24%
XYZ	2.5220, 1.7941, 1.1919
YIQ	36.1770, 21.7310, 8.1550

# Conversions

## Conversions Part 2

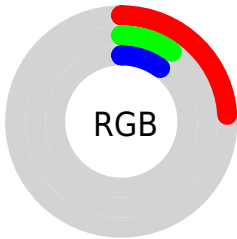
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	62, 25, 26
Decimal	4069658
CIE <sub>Lab</sub>	14.37, 18.24, 7.95
CIE <sub>LCh</sub>	14, 19.896, 23.552
Yxy	1.7941, 0.4579, 0.3257
Android (android.graphics.Color)	4282259738 (0xFF3E191A)
YUV	36.1770, -5.0173, 22.6468
Hunter-Lab	13.3945, 10.1688, 4.1002

# Details

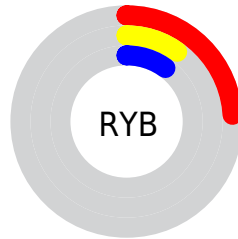
The YIQ color **36.1770, 21.7310, 8.1550** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **50.8230, -21.7310, -8.1550**, and the grayscale version is **36.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.8570, 25.6280, 9.1160**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **31.9710, 25.3070, 9.4270**, and if you desaturate by 10%, it is **40.3830, 18.1550, 6.8830**.

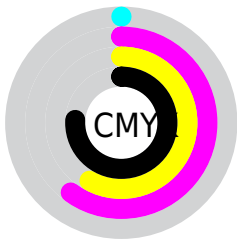
# Distribution



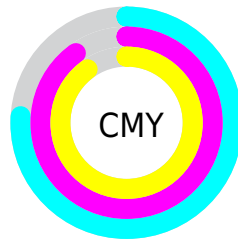
- Red (24%)
- Green (10%)
- Blue (10%)



- Red (24%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (60%)
- Yellow (58%)
- Black (76%)



- Cyan (76%)
- Magenta (90%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 36.1770, 21.7310, 8.1550 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 36.1770, 21.7310, 8.1550 by changing the saturation by 10% instead.



■ 36.1770, 21.7310,  
8.1550

■ 36.1770, 21.7310,  
8.1550

■ 254.7720, 0.6420,  
-0.6220

■ 12.8460, 24.1610,  
8.1690

■ 81.8570, 25.6280,  
9.1160

■ 0.0000, 0.0000,  
0.0000

■ 106.3410, 27.1410,  
9.2290


■ 131.9390, 28.3330,  
9.6530


■ 158.5370, 29.5250,  
10.0770


■ 185.7220, 30.4420,  
9.9780


■ 213.3200, 31.6340,


10.4020


 234.4430, 17.9260,  
5.5260


 36.1770, 21.7310,  
8.1550


 36.1770, 21.7310,  
8.1550


 31.9710, 25.3070,  
9.4270


 40.3830, 18.1550,  
6.8830


 27.7650, 28.8830,  
10.6990


 44.5890, 14.5790,  
5.6110

 22.9720, 32.7340,  
12.4940

 49.3820, 10.7280,  
3.8160

 18.7660, 36.3100,  
13.7660

 53.5880, 7.1520,  
2.5440

 57.7940, 3.5760,  
1.2720

■ 62.0000, -0.0000,  
-0.0000

■ 66.2060, -3.5760,  
-1.2720

■ 70.9990, -7.4270,  
-3.0670

■ 75.2050, -11.0030,  
-4.3390

# Harmonies

## Analogous

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



36.5880, 16.3200, 12.6080



36.1770, 21.7310, 8.1550



35.5480, 21.8240, 0.9600

# Triad

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



36.1770, 21.7310, 8.1550



31.6040, -8.1130, -12.6650



30.1890, -31.2690, -0.4930

# Complementary

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



36.1770, 21.7310, 8.1550



50.8230, -21.7310, -8.1550

# 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.



31.2660, -30.1680, -3.9280



36.1770, 21.7310, 8.1550



29.0030, -22.4180, -12.2260

# Square

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



36.1770, 21.7310, 8.1550



33.7430, 7.6130, -11.3230



30.5990, -26.9120, -7.8720



36.5940, -10.1800, 8.2840



# Rectangle

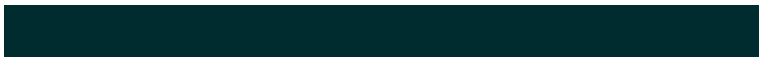
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1770, 21.7310, 8.1550



35.1900, 19.7160, -4.8920



30.5990, -26.9120, -7.8720



30.6620, -31.2230, -1.3270

# Sweetspot

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



36.1770, 21.7310, 8.1550



71.4850, 8.9400, 3.1800



39.9820, 9.5790, 19.1390



34.6910, 5.3640, 1.9080



168.0000, -0.0000, -0.0000



41.0000, 0.0000, -0.0000



# Same Dimension

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



36.1770, 21.7310, 8.1550



40.7550, 34.8430, 12.8190



46.0420, 17.3770, -1.0470



28.8970, 1.7880, 0.6360



28.4480, 55.0610, 20.8610



67.0620, 130.3860, 48.9300



# Inverse Universe

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



36.1770, 21.7310, 8.1550



40.7550, 34.8430, 12.8190



40.9580, -17.3770, 1.0470



28.8970, 1.7880, 0.6360



28.4480, 55.0610, 20.8610

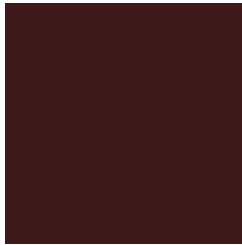


67.0620, 130.3860, 48.9300



# Previews

## White Background



This preview shows how the YIQ color 36.1770, 21.7310, 8.1550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

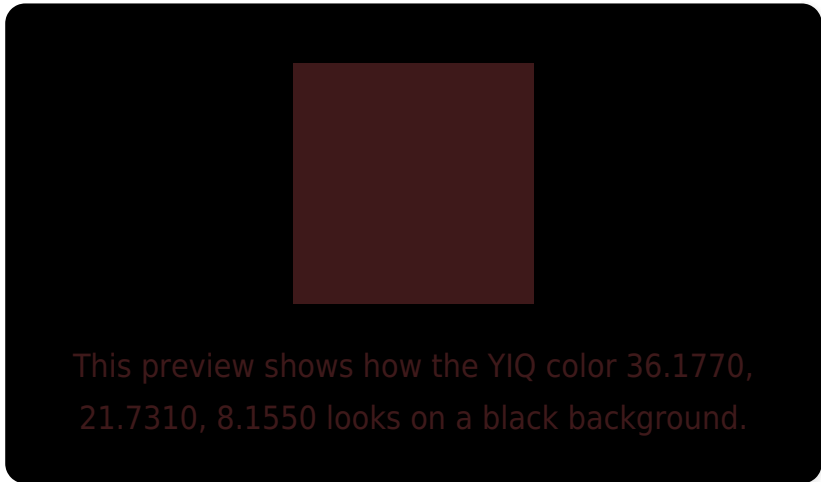
Any Text WCAG AA ✓ Pass

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 36.1770, 21.7310, 8.1550**

## **Background**



This preview shows how black text looks on a background with the YIQ color 36.1770, 21.7310, 8.1550.



This preview shows how white text looks on a background with the YIQ color 36.1770, 21.7310,



# 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

36.1770, 21.7310, 8.1550

### Protanopia

36.9140, 3.1180, -1.4420

### Deuteranopia

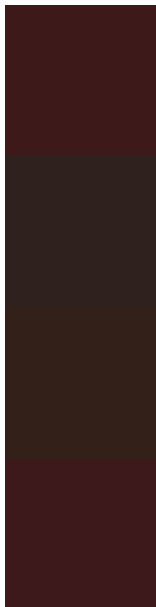
37.3230, 9.2160, -1.8240



## Tritanopia

36.2910, 21.4100, 8.4660

# Trichromacy



## Original Color

36.1770, 21.7310, 8.1550

## Protanomaly

36.7300, 9.6280, 1.7240

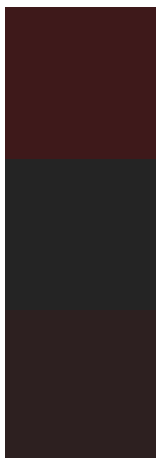
## Deuteranomaly

36.8830, 13.5710, 1.8510

## Tritanomaly

36.2910, 21.4100, 8.4660

# Monochromacy



## Original Color

36.1770, 21.7310, 8.1550

## Achromatopsia

36.0000, -0.0000, 0.0000

## Achromatomaly

35.8870, 7.7480, 2.7560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.1770, 21.7310, 8.1550 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(62, 25, 26)` looks like.

```
.text, #text, p{  
    color:rgb(62, 25, 26)  
}
```

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(62, 25, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 25, 26) }
```

## Border

The CSS property to change the border of an element to YIQ 36.1770, 21.7310, 8.1550 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(62, 25, 26) }
```



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

```
.border{ border-color:rgb(62, 25, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 25, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 25, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 25, 26);  
box-shadow:4px 4px 4px 4px rgb(62, 25, 26)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 36.1770, 21.7310, 8.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 25, 26) }
```

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

```
.background{ background-color: rgb(62, 25,  
26) }
```

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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