

# Converting Colors

YIQ(38.0470, -24.5770, 10.3910)

Have a look what the booklet for  
YIQ(38.0470, -24.5770, 10.3910)  
contains.

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# Color

**YIQ(38.0470, -24.5770,  
10.3910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	152653
RGB	21, 38, 83
RGB Percent	8%, 15%, 33%
CMY	0.9176, 0.8510, 0.6746
CMYK	0.75, 0.54, 0.00, 0.67
HSL	224°, 60%, 20%
HSV	224°, 75%, 33%
XYZ	2.5626, 2.1701, 8.4606
YIQ	38.0470, -24.5770, 10.3910

# Conversions

## Conversions Part 2

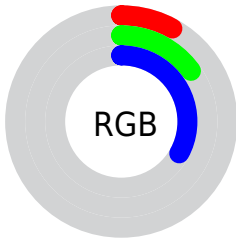
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 34, 83
Decimal	1386067
CIE <sub>Lab</sub>	16.36, 10.46, -29.56
CIE <sub>LCh</sub>	16, 31.356, 289.493
Yxy	2.1701, 0.1942, 0.1645
Android (android.graphics.Color)	4279576147 (0xFF152653)
YUV	38.0470, 22.1618, -14.9502
Hunter-Lab	14.7313, 5.2712, -23.7401

# Details

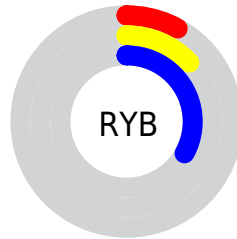
The YIQ color **38.0470, -24.5770, 10.3910** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **65.9530, 24.5770, -10.3910**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.1230, -21.7350, 13.9530**, and **5.5060, -12.7480, 10.7720** is the 20% darker color. If you saturate the color by 10%, you get **32.1330, -27.6950, 11.8330**, and if you desaturate by 10%, it is **43.9610, -21.4590, 8.9490**.

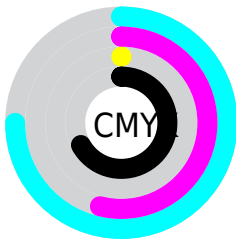
# Distribution



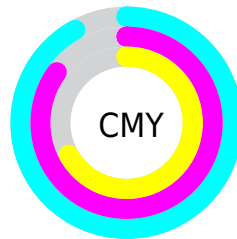
- Red (8%)
- Green (15%)
- Blue (33%)



- Red (8%)
- Yellow (13%)
- Blue (33%)



- Cyan (75%)
- Magenta (54%)
- Yellow (0%)
- Black (67%)



- Cyan (92%)
- Magenta (85%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.0470, -24.5770, 10.3910 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 38.0470, -24.5770, 10.3910 by changing the saturation by 10% instead.



■ 38.0470, -24.5770,  
10.3910

■ 38.0470, -24.5770,  
10.3910

■ 255.0000, -0.0000,  
-0.0000

■ 17.4060, -24.2100,  
9.2460

■ 85.1230, -21.7350,  
13.9530

■ 5.3920, -12.4270,  
10.4610

■ 109.6500,  
-21.7810, 14.7870

■ 2.1830, -4.7690,  
3.8310

■ 135.7640,  
-22.1020, 15.0980

■ 0.0000, 0.0000,  
0.0000

■ 162.2910,  
-22.1480, 15.9320

■ 189.5190,  
-22.7900, 16.5540

■ 215.4070,

-16.7830, 12.3130

240.2150, -7.7950,  
3.6050

38.0470, -24.5770,  
10.3910

38.0470, -24.5770,  
10.3910

32.1330, -27.6950,  
11.8330

43.9610, -21.4590,  
8.9490

25.9200, -31.4090,  
13.0630

50.1740, -17.7450,  
7.7190

22.9630, -32.9680,  
13.7840

56.0880, -14.6270,  
6.2770

62.0020, -11.5090,  
4.8350

67.9160, -8.3910,  
3.3930

■ 74.1290, -4.6770,  
2.1630

■ 80.0430, -1.5590,  
0.7210

■ 85.9570, 1.5590,  
-0.7210

■ 92.1700, 5.2730,  
-1.9510

# Harmonies

## Analogous

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



36.1050, -39.6600, 2.9000



38.0470, -24.5770, 10.3910



41.4700, 5.2690, 20.1570

# Triad

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



38.0470, -24.5770, 10.3910



37.9040, 35.4410, 1.9770



32.9980, -24.0220, -16.1980

# Complementary

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



38.0470, -24.5770, 10.3910



65.9530, 24.5770, -10.3910

# 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.



31.0670, -11.2750, -21.4430



38.0470, -24.5770, 10.3910



39.0610, 24.3930, -7.0550

# Square

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



38.0470, -24.5770, 10.3910



36.9770, 34.3380, 16.4660



37.1900, 10.5480, -14.9560



36.2070, -31.6800, -9.5680



# Rectangle

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



38.0470, -24.5770, 10.3910



39.7660, 19.1150, 22.5310



37.1900, 10.5480, -14.9560



32.0860, -21.4540, -18.6860

# Sweetspot

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



38.0470, -24.5770, 10.3910



90.1440, -9.0330, 4.0150



62.4100, -31.1740, -18.7420



43.3570, -5.3190, 2.7850



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



38.0470, -24.5770, 10.3910



37.2060, -37.9660, 16.2580



31.9550, -12.1540, 22.0380



38.0430, -1.5590, 0.7210



28.9930, -41.6800, 17.4880



64.0160, -92.0720, 38.6800



# Inverse Universe

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



41.4760, 31.4950, 18.4310



42.6680, 48.8700, 28.4380



72.0450, 12.1540, -22.0380



38.3100, 2.0630, 1.1590



34.7010, 53.2710, 31.2790



76.6640, 117.7280, 69.0880



# Previews

## White Background



This preview shows how the YIQ color 38.0470, -24.5770, 10.3910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

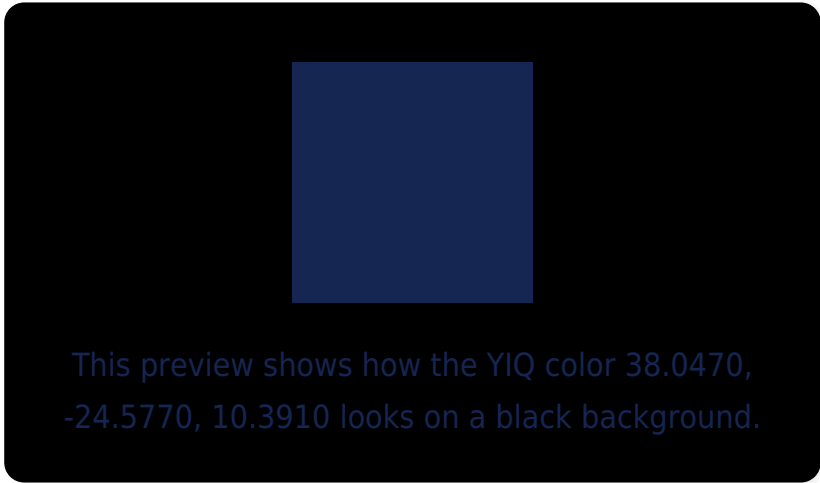
Any Text WCAG AA ✓ Pass

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

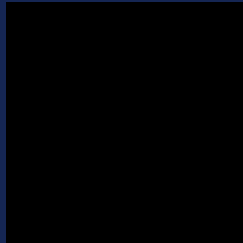
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 38.0470, -24.5770, 10.3910

## Background



This preview shows how black text looks on a background with the YIQ color 38.0470, -24.5770, 10.3910.



This preview shows how white text looks on a background with the YIQ color 38.0470, -24.5770,



# 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

38.0470, -24.5770, 10.3910

### Protanopia

32.4690, -37.6890, 5.7270

### Deuteranopia

32.8620, -34.6620, 0.4260



## Tritanopia

32.0010, -28.1040, -8.2960

# Trichromacy



## Original Color

38.0470, -24.5770, 10.3910

## Protanomaly

34.8610, -32.9210, 7.4230

## Deuteranomaly

35.1230, -30.9030, 3.8890

## Tritanomaly

34.0000, -26.3630, -1.2990

# Monochromacy



## Original Color

38.0470, -24.5770, 10.3910

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

38.0300, -8.7120, 3.7040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.0470, -24.5770, 10.3910 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(21, 38, 83)` looks like.

```
.text, #text, p{  
    color:rgb(21, 38, 83)  
}
```

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(21, 38, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 38, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 38.0470, -24.5770, 10.3910 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(21, 38, 83) }
```



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

```
.border{ border-color:rgb(21, 38, 83) }
```

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

Here you see how a box with a 4 pixel rgb(21, 38, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 38, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 38, 83);  
box-shadow:4px 4px 4px 4px rgb(21, 38, 83)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 38.0470, -24.5770, 10.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 38, 83) }
```

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

```
.background{ background-color: rgb(21, 38,  
83) }
```

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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