

# Converting Colors

YIQ(24.8460, -2.2020, 6.8700)

Have a look what the booklet for  
YIQ(24.8460, -2.2020, 6.8700)  
contains.

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# Color

**YIQ(24.8460, -2.2020,  
6.8700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B1527
RGB	27, 21, 39
RGB Percent	11%, 8%, 15%
CMY	0.8941, 0.9177, 0.8471
CMYK	0.31, 0.46, 0.00, 0.85
HSL	260°, 30%, 12%
HSV	260°, 46%, 15%
XYZ	1.0864, 0.9158, 2.0385
YIQ	24.8460, -2.2020, 6.8700

# Conversions

## Conversions Part 2

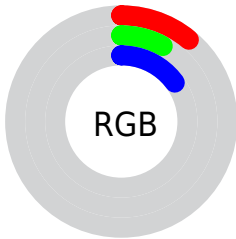
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 21, 39
Decimal	1774887
CIELab	8.27, 8.02, -11.26
CIELCh	8, 13.827, 305.458
Yxy	0.9158, 0.2689, 0.2266
Android (android.graphics.Color)	4279964967 (0xFF1B1527)
YUV	24.8460, 6.9779, 1.8891
Hunter-Lab	9.5697, 3.5173, -5.9307




# Details

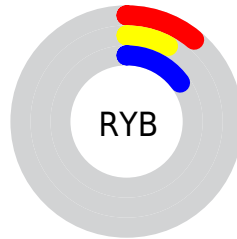
The YIQ color **24.8460, -2.2020, 6.8700** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **35.1540, 2.2020, -6.8700**, and the grayscale version is **25.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **67.7860, -1.9730, 8.2270**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.6010, -2.8900, 8.3260**, and if you desaturate by 10%, it is **28.0910, -1.5140, 5.4140**.

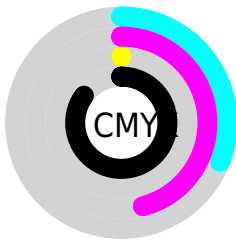
# Distribution







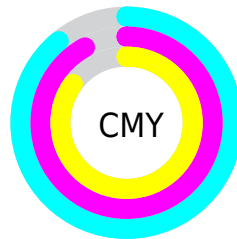
-  Red (11%)
-  Green (8%)
-  Blue (15%)






-  Red (11%)
-  Yellow (8%)
-  Blue (15%)



-  Cyan (31%)
-  Magenta (46%)
-  Yellow (0%)
-  Black (85%)



-  Cyan (89%)
-  Magenta (92%)
-  Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 24.8460, -2.2020, 6.8700 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 24.8460, -2.2020, 6.8700 by changing the saturation by 10% instead.



■ 24.8460, -2.2020,  
6.8700

■ 24.8460, -2.2020,  
6.8700

■ 249.7170, 2.4750,  
4.7070

■ 2.0520, -5.7780,  
5.5980

■ 67.7860, -1.9730,  
8.2270

■ 0.0000, 0.0000,  
0.0000

■ 91.7860, -1.9730,  
8.2270

■ 116.0140, -2.6150,  
8.8490

■ 141.4270, -2.3400,  
9.3720

■ 168.4270, -2.3400,  
9.3720

■ 195.4270, -2.3400,

9.3720

■ 222.9540, -2.3860,  
10.2060

■ 24.8460, -2.2020,  
6.8700

■ 24.8460, -2.2020,  
6.8700

■ 21.6010, -2.8900,  
8.3260

■ 28.0910, -1.5140,  
5.4140

■ 18.6550, -2.9820,  
9.9940

■ 31.0370, -1.4220,  
3.7460

■ 15.4100, -3.6700,  
11.4500

■ 34.2820, -0.7340,  
2.2900

■ 12.4640, -3.7620,  
13.1180

■ 37.2280, -0.6420,  
0.6220

■ 9.8060, -4.7250,  
14.0510

■ 39.8860, 0.3210,  
-0.3110

■ 8.3330, -4.7710,  
14.8850

■ 43.1310, 1.0090,  
-1.7670

■ 46.0770, 1.1010,  
-3.4350

■ 49.3220, 1.7890,  
-4.8910

■ 52.2680, 1.8810,  
-6.5590

# Harmonies

## Analogous

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



22.4640, -12.9300, 3.0540



24.8460, -2.2020, 6.8700



25.2770, 6.8300, 8.3820

# Triad

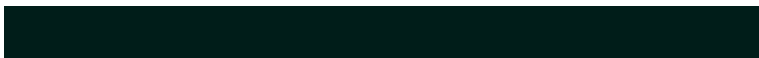
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.8460, -2.2020, 6.8700



23.3900, 16.2770, -3.1390



19.8730, -16.0000, -7.3920

# Complementary

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



24.8460, -2.2020, 6.8700



35.1540, 2.2020, -6.8700

# 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.



19.9290, -10.4060, -9.6540



24.8460, -2.2020, 6.8700



23.0580, 11.2800, -6.1920

# Square

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



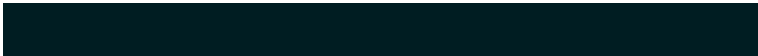
24.8460, -2.2020, 6.8700



24.0790, 15.9550, 2.6990



21.7580, 3.2570, -9.4710



20.8990, -18.8890, -4.5930



# Rectangle

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



24.8460, -2.2020, 6.8700



24.9030, 10.8190, 7.6750



21.7580, 3.2570, -9.4710



19.5310, -15.0370, -8.3250

# Sweetspot

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



24.8460, -2.2020, 6.8700



45.3960, -1.0550, 2.6010



30.0960, -9.0780, -0.6780



22.1680, -0.4130, 1.9790



153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000



# Same Dimension

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



24.8460, -2.2020, 6.8700



28.8830, -3.6240, 10.6160



27.5370, 3.1620, 8.7780



18.5270, -0.0460, 0.8340



17.9480, -10.2760, 32.0600



45.3970, -25.7360, 80.9840



# Inverse Universe

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



27.7500, 6.8760, 7.5480



33.5380, 10.5890, 11.8450



32.4630, -3.1620, -8.7780



18.8260, 0.5500, 1.0460



31.5000, 32.0880, 35.2240



79.4620, 81.0910, 88.7950



# Previews

## White Background



This preview shows how the YIQ color 24.8460, -2.2020, 6.8700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

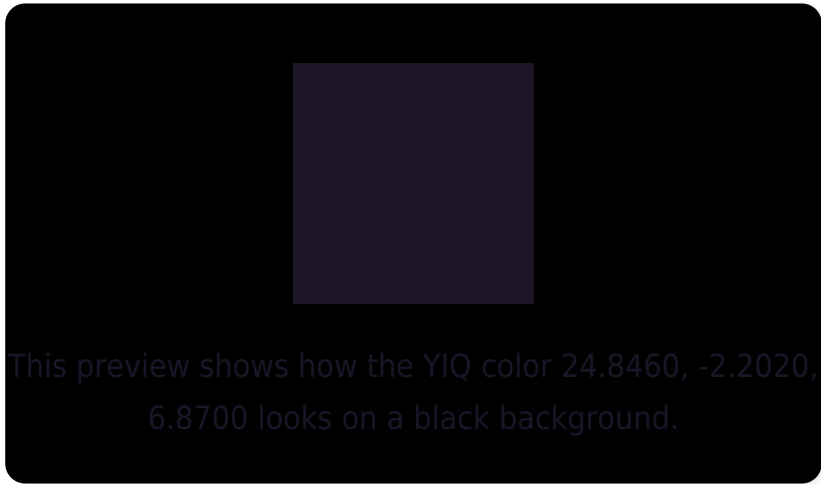
Any Text WCAG AA ✓ Pass

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 24.8460, -2.2020, 6.8700**

## **Background**



This preview shows how black text looks on a background with the YIQ color 24.8460, -2.2020, 6.8700.



This preview shows how white text looks on a background with the YIQ color 24.8460, -2.2020,

6.8700.

# 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

24.8460, -2.2020, 6.8700

### Protanopia

23.8450, -9.6290, 3.8030

### Deuteranopia

23.5030, -8.6660, 2.8700



## Tritanopia

24.2280, -0.6420, 0.6220

# Trichromacy



## Original Color

24.8460, -2.2020, 6.8700

## Protanomaly

24.3400, -6.6490, 4.8630

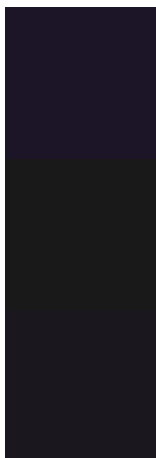
## Deuteranomaly

24.1120, -6.0070, 4.2410

## Tritanomaly

24.5100, -1.3760, 2.9120

# Monochromacy



## Original Color

24.8460, -2.2020, 6.8700

## Achromatopsia

25.0000, -0.0000, -0.0000

## Achromatomaly

25.2820, -0.7340, 2.2900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 24.8460, -2.2020, 6.8700 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(27, 21, 39)` looks like.

```
.text, #text, p{  
    color:rgb(27, 21, 39)  
}
```

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(27, 21, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 21, 39) }
```

## Border

The CSS property to change the border of an element to YIQ 24.8460, -2.2020, 6.8700 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(27, 21, 39) }
```



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

```
.border{ border-color:rgb(27, 21, 39) }
```

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

Here you see how a box with a 4 pixel rgb(27, 21, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 21, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 21, 39);  
box-shadow:4px 4px 4px 4px rgb(27, 21, 39)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 24.8460, -2.2020, 6.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 21, 39) }
```

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

```
.background{ background-color: rgb(27, 21,  
39) }
```

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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