

# Converting Colors

YIQ(22.0460, -22.8360, 17.3880)

Have a look what the booklet for  
YIQ(22.0460, -22.8360, 17.3880)  
contains.

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# Color

**YIQ(22.0460, -22.8360,  
17.3880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0B114D
RGB	11, 17, 77
RGB Percent	4%, 7%, 30%
CMY	0.9568, 0.9333, 0.6982
CMYK	0.86, 0.78, 0.00, 0.70
HSL	235°, 75%, 17%
HSV	235°, 86%, 30%
XYZ	1.6769, 1.0075, 7.1208
YIQ	22.0460, -22.8360, 17.3880

# Conversions

## Conversions Part 2

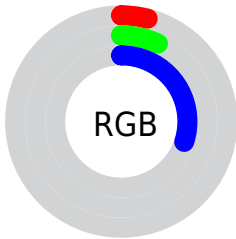
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 17, 77
Decimal	725325
CIE Lab	9.05, 22.17, -37.38
CIE LCh	9, 43.464, 300.675
Yxy	1.0075, 0.1710, 0.1028
Android (android.graphics.Color)	4278915405 (0xFF0B114D)
YUV	22.0460, 27.0923, -9.6873
Hunter-Lab	10.0374, 12.2556, -35.0356

# Details

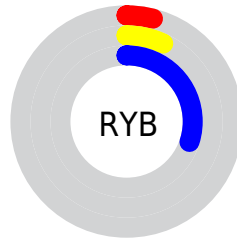
The YIQ color **22.0460, -22.8360, 17.3880** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **65.9540, 22.8360, -17.3880**, and the grayscale version is **22.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **69.1440, -17.0600, 22.8440**, and **4.8220, -10.8220, 8.9060** is the 20% darker color. If you saturate the color by 10%, you get **15.5450, -25.6790, 19.3530**, and if you desaturate by 10%, it is **28.5470, -19.9930, 15.4230**.

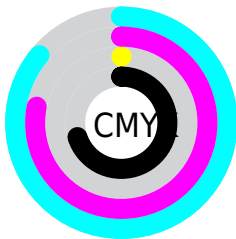
# Distribution



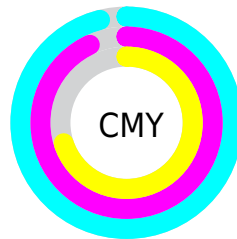
- Red (4%)
- Green (7%)
- Blue (30%)



- Red (4%)
- Yellow (7%)
- Blue (30%)



- Cyan (86%)
- Magenta (78%)
- Yellow (0%)
- Black (70%)



- Cyan (96%)
- Magenta (93%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 22.0460, -22.8360, 17.3880 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 22.0460, -22.8360, 17.3880 by changing the saturation by 10% instead.



■ 22.0460, -22.8360,  
17.3880

■ 22.0460, -22.8360,  
17.3880

■ 246.7820, 3.8500,  
7.3220

■ 6.1560, -17.3340,  
16.7940

■ 69.1440, -17.0600,  
22.8440

■ 4.8220, -10.8220,  
8.9060

■ 93.3830, -16.2350,  
24.4130

■ 0.3420, -0.9630,  
0.9330

■ 118.9100,  
-16.2810, 25.2470

■ 0.0000, 0.0000,  
0.0000

■ 144.8500,  
-16.0520, 26.6040

■ 171.3770,  
-16.0980, 27.4380

■ 197.7640,

-12.9340, 25.1620

■ 222.8710, -3.3500,  
16.6660

■ 22.0460, -22.8360,  
17.3880

■ 22.0460, -22.8360,  
17.3880

■ 15.5450, -25.6790,  
19.3530

■ 28.5470, -19.9930,  
15.4230

■ 12.8870, -26.6420,  
20.2860

■ 34.7490, -17.7460,  
13.2460

■ 41.2500, -14.9030,  
11.2810

■ 47.7510, -12.0600,  
9.3160

■ 53.9530, -9.8130,  
7.1390

■ 60.4540, -6.9700,  
5.1740

■ 66.9550, -4.1270,  
3.2090

■ 73.4560, -1.2840,  
1.2440

■ 79.6580, 0.9630,  
-0.9330

# Harmonies

## Analogous

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



27.4140, -35.8560, 11.0560



22.0460, -22.8360, 17.3880



23.6120, 16.9130, 29.4010

# Triad

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



22.0460, -22.8360, 17.3880



22.3150, 30.0300, 6.4300



25.1560, -18.4750, -12.0990

# Complementary

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



22.0460, -22.8360, 17.3880



65.9540, 22.8360, -17.3880

# 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.



21.7190, -10.1750, -19.3510



22.0460, -22.8360, 17.3880



24.5420, 12.7930, -6.0790

# Square

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



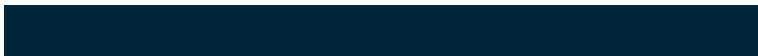
22.0460, -22.8360, 17.3880



20.6310, 41.1240, 14.6280



19.3710, -9.0750, -17.2590



29.1630, -28.3800, -3.2920



# Rectangle

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



22.0460, -22.8360, 17.3880



25.0340, 30.1640, 26.0360



19.3710, -9.0750, -17.2590



23.9020, -14.9440, -15.5200

# Sweetspot

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



22.0460, -22.8360, 17.3880



78.0240, -8.5750, 6.7290



56.4680, -37.0890, -16.1690



37.9980, -5.6860, 3.9300



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



22.0460, -22.8360, 17.3880



16.5690, -34.2540, 26.0820



26.2980, -5.6900, 26.0380



35.0430, -1.5590, 0.7210



16.9110, -35.2170, 27.0150



38.5470, -79.6050, 60.5470



# Inverse Universe

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



31.4180, 37.4100, 15.8580



30.6270, 56.1150, 23.7870



61.7020, 5.6900, -26.0380



35.3100, 2.0630, 1.1590



31.5240, 57.9030, 24.4230

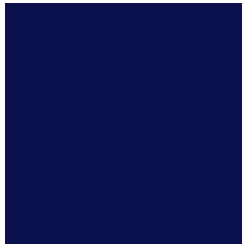


71.1640, 130.3390, 55.2910



# Previews

## White Background



This preview shows how the YIQ color 22.0460, -22.8360, 17.3880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

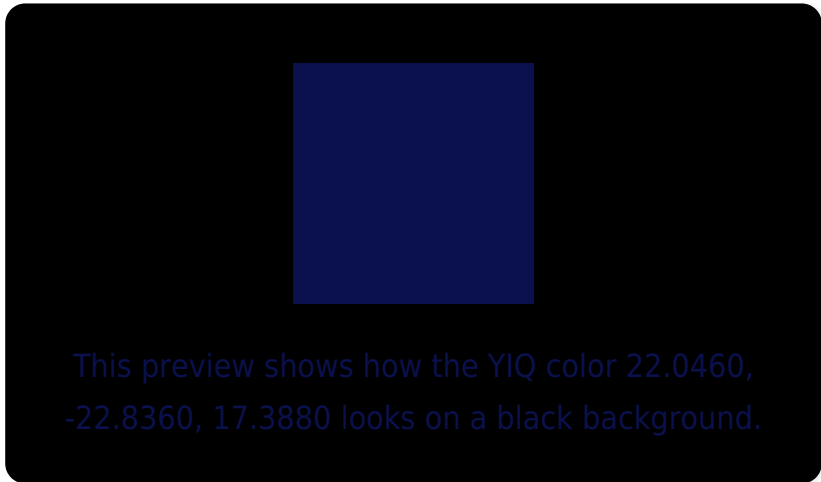
Any Text WCAG AA ✓ Pass

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 22.0460, -22.8360, 17.3880**

## **Background**



This preview shows how black text looks on a background with the YIQ color 22.0460, -22.8360, 17.3880.



This preview shows how white text looks on a background with the YIQ color 22.0460, -22.8360,



# 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

22.0460, -22.8360, 17.3880

### Protanopia

21.5320, -24.8050, 3.5070

### Deuteranopia

21.7940, -22.7870, -0.0270

# Trichromacy



## Original Color

22.0460, -22.8360, 17.3880

## Protanomaly

21.8790, -24.1640, 8.4120

## Deuteranomaly

21.8960, -22.8340, 6.3340

# Monochromacy



## Original Color

22.0460, -22.8360, 17.3880

## Achromatopsia

22.0000, -0.0000, -0.0000

## Achromatomaly

21.9100, -8.2540, 6.4180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 22.0460, -22.8360, 17.3880 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(11, 17, 77)` looks like.

```
.text, #text, p{  
    color:rgb(11, 17, 77)  
}
```

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(11, 17, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 17, 77) }
```

## Border

The CSS property to change the border of an element to YIQ 22.0460, -22.8360, 17.3880 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(11, 17, 77) }
```

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

```
.border{ border-color:rgb(11, 17, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 17, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 17, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 17, 77);  
box-shadow:4px 4px 4px 4px rgb(11, 17, 77)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 22.0460, -22.8360, 17.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 17, 77) }
```

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

```
.background{ background-color: rgb(11, 17,  
77) }
```

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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