

# Converting Colors

YIQ(25.3350, -16.2800, 19.7200)

Have a look what the booklet for  
YIQ(25.3350, -16.2800, 19.7200)  
contains.

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# Color

**YIQ(25.3350, -16.2800,  
19.7200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16114D
RGB	22, 17, 77
RGB Percent	9%, 7%, 30%
CMY	0.9137, 0.9333, 0.6981
CMYK	0.71, 0.78, 0.00, 0.70
HSL	245°, 64%, 18%
HSV	245°, 78%, 30%
XYZ	1.8701, 1.1070, 7.1310
YIQ	25.3350, -16.2800, 19.7200

# Conversions

## Conversions Part 2

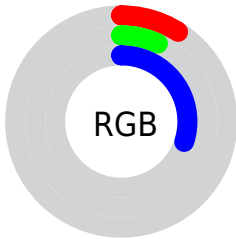
<b>Format</b>	<b>Color</b>
<b>RYB</b>	22, 17, 77
Decimal	1446221
CIELab	9.85, 23.55, -36.04
CIELCh	10, 43.055, 303.160
Yxy	1.1070, 0.1850, 0.1095
Android (android.graphics.Color)	4279636301 (0xFF16114D)
YUV	25.3350, 25.4708, -2.9248
Hunter-Lab	10.5213, 13.3156, -32.8202

# Details

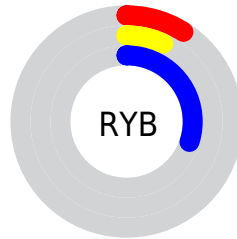
The YIQ color **25.3350, -16.2800, 19.7200** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **68.6650, 16.2800, -19.7200**, and the grayscale version is **25.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **71.8240, -13.1630, 23.8050**, and **4.8220, -10.8220, 8.9060** is the 20% darker color. If you saturate the color by 10%, you get **18.5460, -18.2520, 22.4200**, and if you desaturate by 10%, it is **32.1240, -14.3080, 17.0200**.

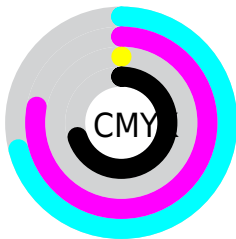
# Distribution



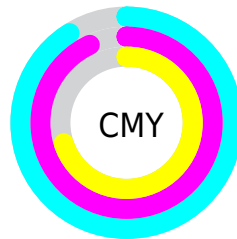
- Red (9%)
- Green (7%)
- Blue (30%)



- Red (9%)
- Yellow (7%)
- Blue (30%)



- Cyan (71%)
- Magenta (78%)
- Yellow (0%)
- Black (70%)



- Cyan (91%)
- Magenta (93%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 25.3350, -16.2800, 19.7200 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 25.3350, -16.2800, 19.7200 by changing the saturation by 10% instead.



■ 25.3350, -16.2800,  
19.7200

■ 25.3350, -16.2800,  
19.7200

■ 247.3690, 3.5750,  
6.7990

■ 7.0530, -15.5460,  
17.4300

■ 71.8240, -13.1630,  
23.8050

■ 4.8220, -10.8220,  
8.9060

■ 95.7640, -12.9340,  
25.1620

■ 0.3420, -0.9630,  
0.9330

■ 121.0030,  
-12.1090, 26.7310

■ 0.0000, 0.0000,  
0.0000

■ 147.2310,  
-12.7510, 27.3530

■ 174.0570,  
-12.2010, 28.3990

■ 200.4440, -9.0370,

26.1230

■ 225.5510, 0.5470,  
17.6270

■ 25.3350, -16.2800,  
19.7200

■ 25.3350, -16.2800,  
19.7200

■ 18.5460, -18.2520,  
22.4200

■ 32.1240, -14.3080,  
17.0200

■ 12.3440, -20.4990,  
24.5970

■ 38.3260, -12.0610,  
14.8430

■ 10.5720, -21.1410,  
25.2190

■ 45.1150, -10.0890,  
12.1430

■ 51.9040, -8.1170,  
9.4430

■ 58.1060, -5.8700,  
7.2660

■ 64.8950, -3.8980,  
4.5660

■ 71.6840, -1.9260,  
1.8660

■ 78.4730, 0.0460,  
-0.8340

■ 84.6750, 2.2930,  
-3.0110

# Harmonies

## Analogous

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



28.1150, -36.4520, 10.8440



25.3350, -16.2800, 19.7200



24.6940, 19.6180, 29.9380

# Triad

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



25.3350, -16.2800, 19.7200



24.6630, 28.9300, 4.3380



26.7860, -20.3090, -11.9010

# Complementary

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



25.3350, -16.2800, 19.7200



68.6650, 16.2800, -19.7200

# 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.



22.3060, -10.4500, -19.8740



25.3350, -16.2800, 19.7200



25.7160, 12.2430, -7.1250

# Square

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



25.3350, -16.2800, 19.7200



20.9300, 41.7200, 14.8400



19.9580, -9.3500, -17.7820



30.2060, -29.9390, -2.5710



# Rectangle

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



25.3350, -16.2800, 19.7200



25.5180, 31.6770, 26.1490



19.9580, -9.3500, -17.7820



25.6460, -17.0990, -15.0110

# Sweetspot

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



25.3350, -16.2800, 19.7200



79.8070, -6.4660, 7.0540



56.1250, -34.3850, -10.1050



38.8950, -3.8980, 4.5660



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.



25.3350, -16.2800, 19.7200



18.9940, -25.0850, 30.6190



34.3050, 1.6000, 26.0800



34.7550, -0.6880, 1.4560



14.3190, -27.3780, 33.6300



31.9010, -62.5060, 75.5580



# Inverse Universe

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



41.2100, 18.1050, 29.8250



43.6110, 27.8220, 46.4620



59.6950, -1.6000, -26.0800



35.6520, 1.1000, 2.0920



41.1000, 30.9390, 50.5470

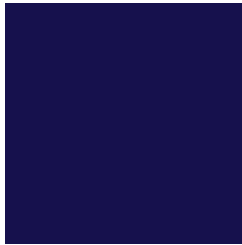


92.7100, 69.6700, 114.0700



# Previews

## White Background



This preview shows how the YIQ color 25.3350, -16.2800, 19.7200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

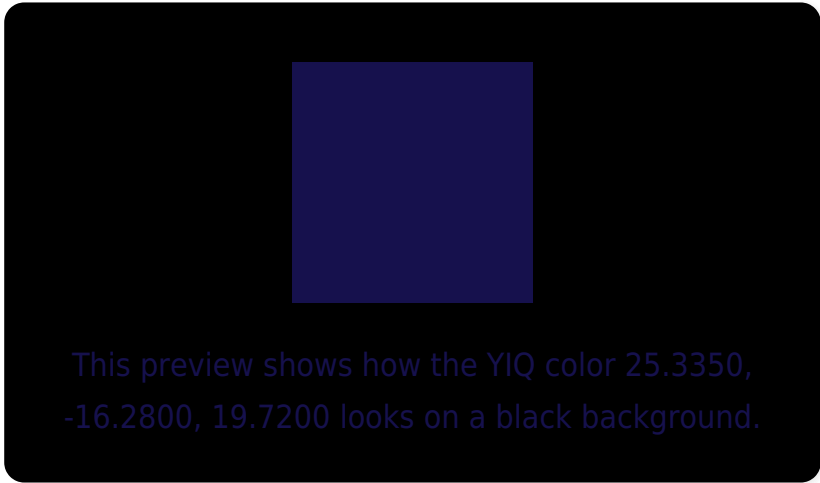
Any Text WCAG AA ✓ Pass

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

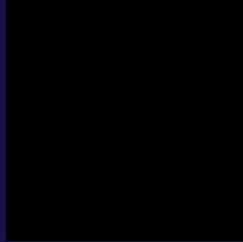
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 25.3350, -16.2800, 19.7200

## Background



This preview shows how black text looks on a background with the YIQ color 25.3350, -16.2800, 19.7200.



This preview shows how white text looks on a background with the YIQ color 25.3350, -16.2800,



# 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

25.3350, -16.2800, 19.7200

### Protanopia

22.4610, -26.0430, 3.9170

### Deuteranopia

22.6090, -23.7040, 0.0720



## Tritanopia

22.6600, -19.7140, -6.1620

# Trichromacy



## Original Color

25.3350, -16.2800, 19.7200

## Protanomaly

23.3030, -22.4220, 9.8820

## Deuteranomaly

23.7930, -21.0460, 6.9700

## Tritanomaly

23.9410, -18.7070, 3.1250

# Monochromacy



## Original Color

25.3350, -16.2800, 19.7200

## Achromatopsia

25.0000, -0.0000, -0.0000

## Achromatomaly

25.1060, -5.8700, 7.2660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 25.3350, -16.2800, 19.7200 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(22, 17, 77)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 17, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 17, 77) }
```

## Border

The CSS property to change the border of an element to YIQ 25.3350, -16.2800, 19.7200 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(22, 17, 77) }
```



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

```
.border{ border-color:rgb(22, 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(22, 17, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 17, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 17, 77);  
box-shadow:4px 4px 4px 4px rgb(22, 17, 77)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 25.3350, -16.2800, 19.7200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 17, 77) }
```

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

```
.background{ background-color: rgb(22, 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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