

# Converting Colors

YIQ(19.8570, -35.1250, 25.3470)

Have a look what the booklet for  
YIQ(19.8570, -35.1250, 25.3470)  
contains.

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# Color

**YIQ(19.8570, -35.1250,  
25.3470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	020D66
RGB	2, 13, 102
RGB Percent	1%, 5%, 40%
CMY	0.9921, 0.9490, 0.6002
CMYK	0.98, 0.87, 0.00, 0.60
HSL	233°, 96%, 20%
HSV	233°, 98%, 40%
XYZ	2.5648, 1.2592, 12.6644
YIQ	19.8570, -35.1250, 25.3470

# Conversions

## Conversions Part 2

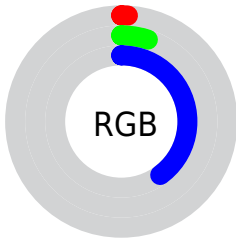
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 12, 102
Decimal	134502
CIE <sub>Lab</sub>	10.99, 33.65, -51.10
CIE <sub>LCh</sub>	11, 61.181, 303.364
Yxy	1.2592, 0.1555, 0.0764
Android (android.graphics.Color)	4278324582 (0xFF020D66)
YUV	19.8570, 40.4965, -15.6606
Hunter-Lab	11.2213, 21.1607, -59.0600

# Details

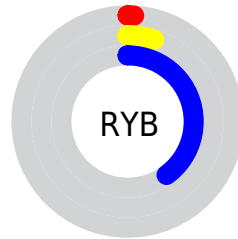
The YIQ color **19.8570, -35.1250, 25.3470** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **84.1430, 35.1250, -25.3470**, and the grayscale version is **19.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **72.8420, -21.6010, 33.5590**, and **9.0910, -18.7090, 14.1790** is the 20% darker color. If you saturate the color by 10%, you get **18.0850, -35.7670, 25.9690**, and if you desaturate by 10%, it is **28.1300, -31.6400, 22.7600**.

# Distribution



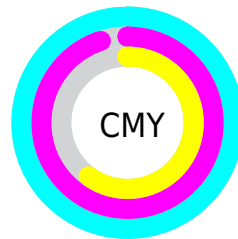
- Red (1%)
- Green (5%)
- Blue (40%)



- Red (1%)
- Yellow (5%)
- Blue (40%)



- Cyan (98%)
- Magenta (87%)
- Yellow (0%)
- Black (60%)



- Cyan (99%)
- Magenta (95%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 19.8570, -35.1250, 25.3470 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 19.8570, -35.1250, 25.3470 by changing the saturation by 10% instead.



■ 19.8570, -35.1250,  
25.3470

■ 19.8570, -35.1250,  
25.3470

■ 246.1950, 4.1250,  
7.8450

■ 8.7780, -24.7170,  
23.9470

■ 72.8420, -21.6010,  
33.5590

■ 8.9770, -18.3880,  
13.8680

■ 97.4940, -20.5010,  
35.6510

■ 4.7080, -10.5010,  
8.5950

■ 123.7330,  
-19.6760, 37.2200

■ 0.3420, -0.9630,  
0.9330

■ 150.0860,  
-19.1720, 39.1000

■ 0.0000, 0.0000,  
0.0000

■ 175.6580,  
-15.0910, 36.7250

■ 200.1780, -5.2320,

28.7520

■ 225.2850, 4.3520,  
20.2560

■ 19.8570, -35.1250,  
25.3470

■ 19.8570, -35.1250,  
25.3470

■ 18.0850, -35.7670,  
25.9690

■ 28.1300, -31.6400,  
22.7600

■ 36.4030, -28.1550,  
20.1730

■ 44.9750, -24.0740,  
17.7980

■ 53.2480, -20.5890,  
15.2110

■ 61.5210, -17.1040,  
12.6240

■ 69.7940, -13.6190,  
10.0370

■ 78.6540, -10.4090,  
6.9270

■ 87.2260, -6.3280,  
4.5520

■ 95.4990, -2.8430,  
1.9650

# Harmonies

## Analogous

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



34.4700, -47.4570, 17.5590



19.8570, -35.1250, 25.3470



31.0740, 24.6600, 37.6840

# Triad

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



19.8570, -35.1250, 25.3470



23.2560, 37.6860, 10.8540



29.0030, -22.4180, -12.2260

# Complementary

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



19.8570, -35.1250, 25.3470



84.1430, 35.1250, -25.3470

# 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.



24.6540, -11.5500, -21.9660



19.8570, -35.1250, 25.3470



27.7760, 12.0140, -8.4820

# Square

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



19.8570, -35.1250, 25.3470



26.0130, 51.8520, 18.4440



22.8930, -10.7250, -20.3970



35.0790, -36.7710, 0.1010



# Rectangle

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



19.8570, -35.1250, 25.3470



32.1820, 41.6710, 32.2550



22.8930, -10.7250, -20.3970



27.2930, -17.6030, -16.8910

# Sweetspot

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



19.8570, -35.1250, 25.3470



100.7940, -13.6190, 10.0370



70.7320, -55.7480, -24.9320



47.3830, -8.2080, 5.5840



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



19.8570, -35.1250, 25.3470



23.9670, -46.8180, 33.5180



24.7620, -9.4520, 39.1560



46.5700, -1.6050, 1.5550



20.7410, -40.4900, 28.9660



43.4370, -85.1070, 61.1410



# Inverse Universe

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



33.1540, 56.0690, 24.6210



41.4770, 74.4530, 32.8610



79.2380, 9.4520, -39.1560



47.4950, 2.9800, 1.0600



35.8670, 64.3670, 28.4230

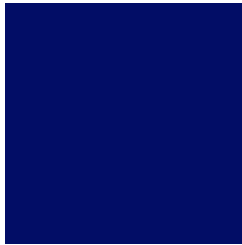


75.4360, 135.5650, 59.7010



# Previews

## White Background



This preview shows how the YIQ color 19.8570, -35.1250, 25.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

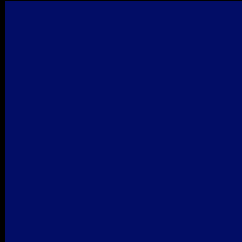
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 19.8570, -35.1250, 25.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

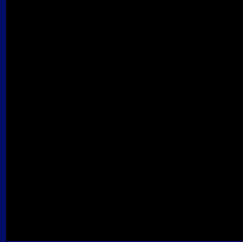
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 19.8570, -35.1250, 25.3470

## Background



This preview shows how black text looks on a background with the YIQ color 19.8570, -35.1250, 25.3470.



This preview shows how white text looks on a background with the YIQ color 19.8570, -35.1250,



# 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

19.8570, -35.1250, 25.3470

### Protanopia

25.6070, -29.3900, 4.0020

### Deuteranopia

25.6410, -26.7300, -0.1540



## Tritanopia

25.4640, -22.0980, -7.0100

# Trichromacy



## Original Color

19.8570, -35.1250, 25.3470

## Protanomaly

23.2790, -31.0420, 11.9180

## Deuteranomaly

23.7690, -29.6660, 9.0060

## Tritanomaly

23.6890, -26.6850, 4.5390

# Monochromacy



## Original Color

19.8570, -35.1250, 25.3470

## Achromatopsia

20.0000, 0.0000, -0.0000

## Achromatomaly

19.5660, -12.9770, 9.4150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 19.8570, -35.1250, 25.3470 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(2, 13, 102)` looks like.

```
.text, #text, p{  
    color:rgb(2, 13, 102)  
}
```

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(2, 13, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 13, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 19.8570, -35.1250, 25.3470 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(2, 13, 102) }
```



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

```
.border{ border-color:rgb(2, 13, 102) }
```

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

Here you see how a box with a 4 pixel rgb(2, 13, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 13, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 13, 102);  
box-shadow:4px 4px 4px 4px rgb(2, 13, 102)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 19.8570, -35.1250, 25.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 13, 102) }
```

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

```
.background{ background-color: rgb(2, 13,  
102) }
```

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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