

# Converting Colors

YIQ(23.1140, 18.0150, 20.4390)

Have a look what the booklet for  
YIQ(23.1140, 18.0150, 20.4390)  
contains.

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# Color

**YIQ(23.1140, 18.0150,  
20.4390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	350526
RGB	53, 5, 38
RGB Percent	21%, 2%, 15%
CMY	0.7920, 0.9805, 0.8509
CMYK	0.00, 0.91, 0.28, 0.79
HSL	319°, 83%, 11%
HSV	319°, 91%, 21%
XYZ	1.8741, 1.0059, 1.9301
YIQ	23.1140, 18.0150, 20.4390

# Conversions

## Conversions Part 2

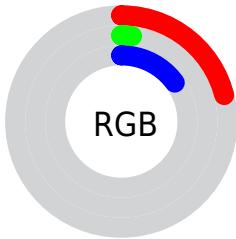
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	53, 5, 38
Decimal	3474726
CIE Lab	9.04, 27.14, -8.97
CIE LCh	9, 28.590, 341.706
Yxy	1.0059, 0.3896, 0.2091
Android (android.graphics.Color)	4281664806 (0xFF350526)
YUV	23.1140, 7.3388, 26.2100
Hunter-Lab	10.0296, 15.8019, -4.3890

# Details

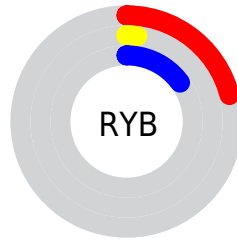
The YIQ color **23.1140, 18.0150, 20.4390** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **34.8860, -18.0150, -20.4390**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **69.8970, 20.1240, 20.7640**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **19.9510, 20.0320, 22.4320**, and if you desaturate by 10%, it is **26.2770, 15.9980, 18.4460**.

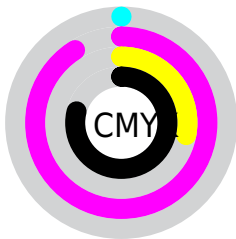
# Distribution



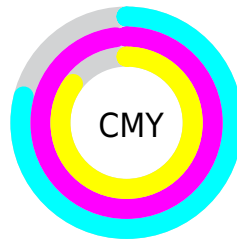
- Red (21%)
- Green (2%)
- Blue (15%)



- Red (21%)
- Yellow (2%)
- Blue (15%)



- Cyan (0%)
- Magenta (91%)
- Yellow (28%)
- Black (79%)




- Cyan (79%)
- Magenta (98%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 23.1140, 18.0150, 20.4390 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 23.1140, 18.0150, 20.4390 by changing the saturation by 10% instead.




 23.1140, 18.0150,  
20.4390


 23.1140, 18.0150,  
20.4390


 242.6730, 5.7750,  
10.9830


 12.1040, 14.8070,  
12.4950


 69.8970, 20.1240,  
20.7640

 0.0000, 0.0000,  
0.0000

 94.4950, 21.3160,  
21.1880


 119.7940, 21.9120,  
21.4000


 145.8050, 23.3790,  
22.3470


 172.5170, 24.2500,  
23.0820


 199.9300, 24.5250,


23.6050


 224.6410, 17.9690,  
21.2730


 23.1140, 18.0150,  
20.4390


 23.1140, 18.0150,  
20.4390


 19.9510, 20.0320,  
22.4320

 26.2770, 15.9980,  
18.4460

 29.9130, 14.0270,  
15.6190

 33.0760, 12.0100,  
13.6260

 36.2390, 9.9930,  
11.6330

 39.2880, 8.2970,  
9.3290

■ 43.0380, 6.0050,  
6.8130

■ 46.2010, 3.9880,  
4.8200

■ 49.2500, 2.2920,  
2.5160

■ 53.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



26.0130, -0.8740, 15.8460



23.1140, 18.0150, 20.4390



20.5680, 28.2400, 16.8480

# Triad

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



23.1140, 18.0150, 20.4390



23.9220, 8.6670, -8.3970



25.7720, -25.7210, -1.9210

# Complementary

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



23.1140, 18.0150, 20.4390



34.8860, -18.0150, -20.4390

# 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.



24.3070, -20.2180, -8.0420



23.1140, 18.0150, 20.4390



19.0830, -8.2040, -16.5240

# Square

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



23.1140, 18.0150, 20.4390



24.5970, 20.1280, -1.3440



21.0980, -12.5600, -14.6720



25.2650, -28.4270, 3.0690



# Rectangle

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



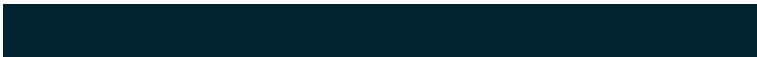
23.1140, 18.0150, 20.4390



20.5650, 32.3220, 8.9460



21.0980, -12.5600, -14.6720



25.6750, -24.0700, -4.3100

# Sweetspot

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



23.1140, 18.0150, 20.4390



57.1630, 7.1510, 8.0710



14.6580, -7.0640, 17.8960



28.5000, 4.5840, 5.0320



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000



# Same Dimension

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



23.1140, 18.0150, 20.4390



25.9890, 26.0370, 29.2450



20.4920, 25.3980, 13.2860



24.1250, 1.1460, 1.2580



33.5650, 33.4630, 37.8390



81.8690, 81.5030, 92.3430



# Inverse Universe

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



23.1140, 18.0150, 20.4390



25.9890, 26.0370, 29.2450



37.5080, -25.3980, -13.2860



24.1250, 1.1460, 1.2580



33.5650, 33.4630, 37.8390

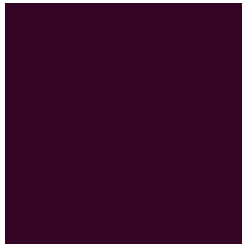


81.8690, 81.5030, 92.3430



# Previews

## White Background



This preview shows how the YIQ color 23.1140, 18.0150, 20.4390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

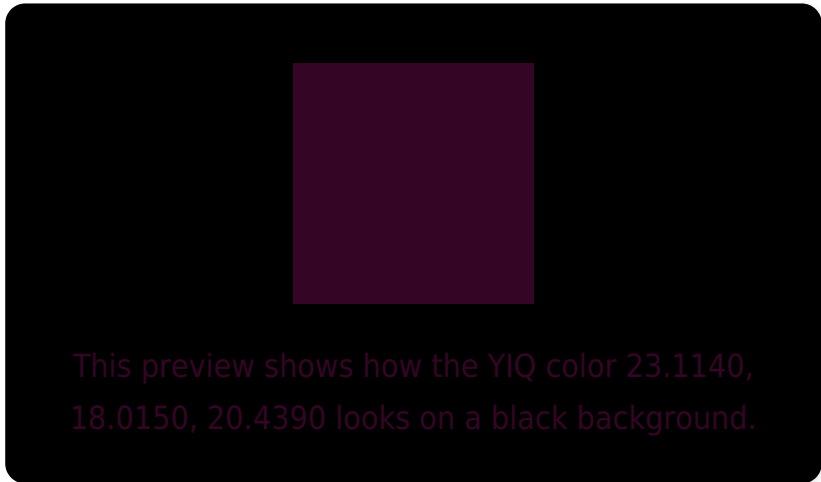
Any Text WCAG AA ✓ Pass

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

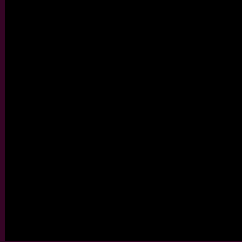
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 23.1140, 18.0150, 20.4390**

## **Background**



This preview shows how black text looks on a background with the YIQ color 23.1140, 18.0150, 20.4390.



This preview shows how white text looks on a background with the YIQ color 23.1140, 18.0150,



# 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

23.1140, 18.0150, 20.4390

### Protanopia

27.0770, -16.0940, 5.3300

### Deuteranopia

28.9120, -2.5680, 2.4880



## Tritanopia

25.8780, 21.1350, 7.9430

# Trichromacy



## Original Color

23.1140, 18.0150, 20.4390

## Protanomaly

25.8830, -3.6240, 10.6160

## Deuteranomaly

27.0210, 4.6750, 8.8910

## Tritanomaly

24.7410, 20.2630, 12.7350

# Monochromacy



## Original Color

23.1140, 18.0150, 20.4390

## Achromatopsia

23.0000, 0.0000, -0.0000

## Achromatomaly

22.7500, 6.8760, 7.5480

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 23.1140, 18.0150, 20.4390 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(53, 5, 38)` looks like.

```
.text, #text, p{  
    color:rgb(53, 5, 38)  
}
```

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(53, 5, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 5, 38) }
```

## Border

The CSS property to change the border of an element to YIQ 23.1140, 18.0150, 20.4390 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(53, 5, 38) }
```



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

```
.border{ border-color:rgb(53, 5, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 5, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 5, 38); -webkit-box-shadow:4px  
4px 4px 4px rgb(53, 5, 38); box-shadow:4px  
4px 4px 4px rgb(53, 5, 38) }
```

# Background

The CSS property to change the background color of an element to YIQ 23.1140, 18.0150, 20.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 5, 38) }
```

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

```
.background{ background-color: rgb(53, 5,  
38) }
```

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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