

Converting Colors

YIQ(9.8640, 6.5550, 7.8590)

Have a look what the booklet for
YIQ(9.8640, 6.5550, 7.8590)
contains.

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Color

YIQ(9.8640, 6.5550, 7.8590)

Conversions

Conversions Part 1

Format	Color
Hex	150310
RGB	21, 3, 16
RGB Percent	8%, 1%, 6%
CMY	0.9176, 0.9883, 0.9372
CMYK	0.00, 0.86, 0.24, 0.92
HSL	317°, 75%, 5%
HSV	317°, 86%, 8%
XYZ	0.4356, 0.2620, 0.5180
YIQ	9.8640, 6.5550, 7.8590

Conversions

Conversions Part 2

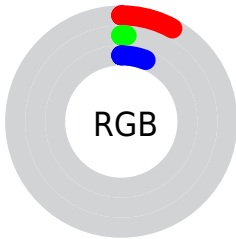
Format	Color
RYB	21, 3, 16
Decimal	1377040
CIELab	2.37, 7.64, -3.33
CIELCh	2, 8.337, 336.464
Yxy	0.2620, 0.3583, 0.2155
Android (android.graphics.Color)	4279567120 (0xFF150310)
YUV	9.8640, 3.0250, 9.7663
Hunter-Lab	5.1182, 6.2342, -2.4177

Details

The YIQ color **9.8640, 6.5550, 7.8590** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **14.1360, -6.5550, -7.8590**, and the grayscale version is **10.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **54.9130, 4.8590, 5.5550**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **8.5760, 7.4260, 8.5940**, and if you desaturate by 10%, it is **11.1520, 5.6840, 7.1240**.

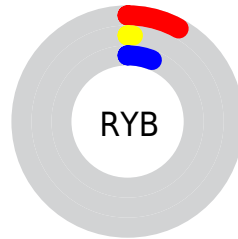
Distribution



Red (8%)

Green (1%)

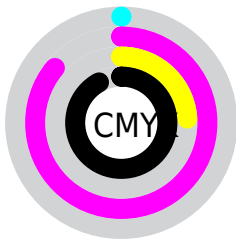
Blue (6%)



Red (8%)

Yellow (1%)

Blue (6%)

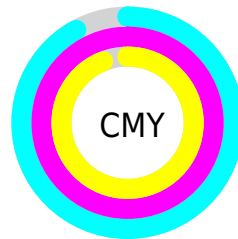


Cyan (0%)

Magenta (86%)

Yellow (24%)

Black (92%)



Cyan (92%)

Magenta (99%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 9.8640, 6.5550, 7.8590 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 9.8640, 6.5550, 7.8590 by changing the saturation by 10% instead.

■ 9.8640, 6.5550,
7.8590

■ 9.8640, 6.5550,
7.8590

■ 235.0380, 6.0050,
6.8130

■ 0.0000, 0.0000,
0.0000

■ 54.9130, 4.8590,
5.5550

■ 77.2120, 5.4550,
5.7670

■ 101.3260, 5.1340,
6.0780


■ 126.6250, 5.7300,
6.2900


■ 152.6250, 5.7300,
6.2900


■ 179.0380, 6.0050,


6.8130


 206.3370, 6.6010,
7.0250

 9.8640, 6.5550,
7.8590


 9.8640, 6.5550,
7.8590


 8.5760, 7.4260,
8.5940


 11.1520, 5.6840,
7.1240

 7.9890, 7.7010,
9.1170

 12.3260, 5.1340,
6.0780

 13.6140, 4.2630,
5.3430

 14.7880, 3.7130,
4.2970

 16.0760, 2.8420,
3.5620

■ 17.9510, 1.6960,
2.3040

■ 19.1250, 1.1460,
1.2580

■ 20.4130, 0.2750,
0.5230

■ 21.5870, -0.2750,
-0.5230

Harmonies

Analogous

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



9.2160, -0.3680, 6.6720



9.8640, 6.5550, 7.8590



9.4470, 12.1030, 6.4310

Triad

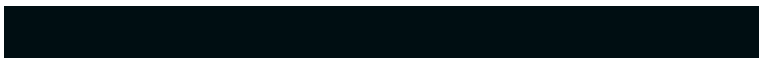
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



9.8640, 6.5550, 7.8590



8.5720, 4.0810, -2.3750



10.2700, -9.6280, -1.7240

Complementary

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



9.8640, 6.5550, 7.8590



14.1360, -6.5550, -7.8590

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.



10.0590, -7.6560, -4.4240



9.8640, 6.5550, 7.8590



7.0440, -3.3000, -6.2760

Square

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



9.8640, 6.5550, 7.8590



9.2030, 9.6740, 0.8900



8.2180, -3.8500, -7.3220



9.5520, -10.3620, 0.5660

Rectangle

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



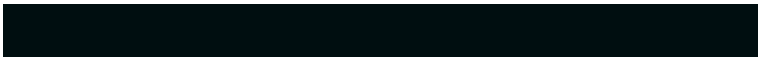
9.8640, 6.5550, 7.8590



8.6490, 14.3500, 4.2540



8.2180, -3.8500, -7.3220



10.0420, -8.9860, -2.3460

Sweetspot

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



9.8640, 6.5550, 7.8590



23.6630, 2.5670, 3.0390



6.5470, -2.7980, 6.6580



12.5380, 1.4210, 1.7810



143.0000, -0.0000, 0.0000



15.0000, -0.0000, -0.0000

Same Dimension

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



9.8640, 6.5550, 7.8590



10.6520, 10.2680, 12.1560



8.8380, 9.4440, 5.0600



9.4130, 0.2750, 0.5230



28.1680, 27.0910, 32.1710



76.6290, 73.2510, 87.7070

Inverse Universe

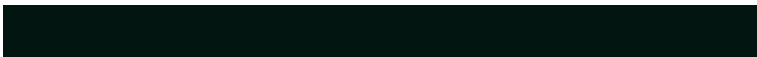
The Inverse Universe completely reimagines the original color for something new.



9.8640, 6.5550, 7.8590



10.6520, 10.2680, 12.1560



15.1620, -9.4440, -5.0600



9.4130, 0.2750, 0.5230



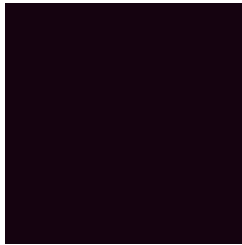
28.1680, 27.0910, 32.1710



76.6290, 73.2510, 87.7070

Previews

White Background



This preview shows how the YIQ color 9.8640, 6.5550, 7.8590 looks on a white background.

Color Contrast Check

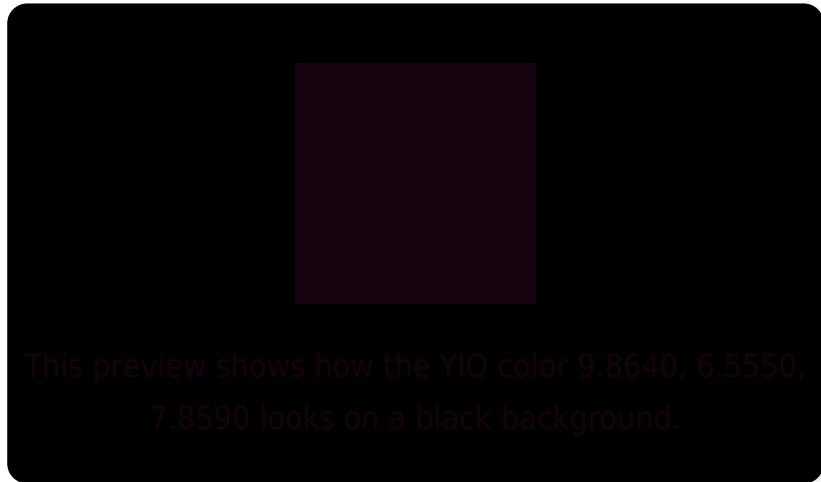
Large Text (above 18pt) WCAG AA ✓ Pass

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

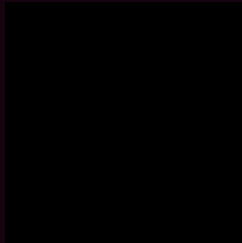
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 9.8640, 6.5550, 7.8590

Background



This preview shows how black text looks on a background with the YIQ color 9.8640, 6.5550, 7.8590.

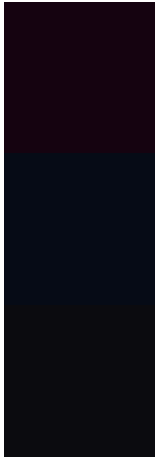


This preview shows how white text looks on a background with the YIQ color 9.8640, 6.5550, 7.8590.

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

9.8640, 6.5550, 7.8590

Protanopia

10.7590, -6.5110, 2.3610

Deuteranopia

11.4560, -1.2840, 1.2440



Tritanopia

10.8870, 7.7480, 2.7560

Trichromacy



Original Color

9.8640, 6.5550, 7.8590

Protanomaly

10.2650, -2.0640, 4.3680

Deuteranomaly

10.8910, 1.9250, 3.6610

Tritanomaly

10.6420, 7.0600, 4.2120

Monochromacy



Original Color

9.8640, 6.5550, 7.8590

Achromatopsia

10.0000, 0.0000, -0.0000

Achromatomaly

9.6630, 2.5670, 3.0390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 9.8640, 6.5550, 7.8590 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(21, 3, 16)` looks like.

```
.text, #text, p{  
    color:rgb(21, 3, 16)  
}
```

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(21, 3, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 3, 16) }
```

Border

The CSS property to change the border of an element to YIQ 9.8640, 6.5550, 7.8590 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(21, 3, 16) }
```

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

```
.border{ border-color:rgb(21, 3, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 3, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 3, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(21, 3, 16); box-shadow:4px  
4px 4px 4px rgb(21, 3, 16) }
```


Background

The CSS property to change the background color of an element to YIQ 9.8640, 6.5550, 7.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 3, 16) }
```

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

```
.background{ background-color: rgb(21, 3,  
16) }
```

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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