

Converting Colors

YIQ(23.5920, 10.4970, 13.5130)

Have a look what the booklet for
YIQ(23.5920, 10.4970, 13.5130)
contains.

YIQ(23.5920, 10.4970, 13.5130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(23.5920, 10.4970,
13.5130)**

Conversions

Conversions Part 1

Format	Color
Hex	2A0C23
RGB	42, 12, 35
RGB Percent	16%, 5%, 14%
CMY	0.8352, 0.9530, 0.8627
CMYK	0.00, 0.71, 0.17, 0.84
HSL	314°, 56%, 11%
HSV	314°, 71%, 16%
XYZ	1.3905, 0.8767, 1.6865
YIQ	23.5920, 10.4970, 13.5130

Conversions

Conversions Part 2

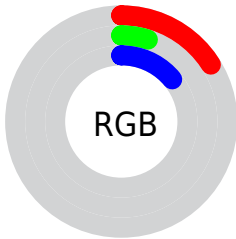
Format	Color
RYB	42, 12, 35
Decimal	2755619
CIELab	7.92, 19.19, -8.61
CIElCh	8, 21.032, 335.821
Yxy	0.8767, 0.3517, 0.2217
Android (android.graphics.Color)	4280945699 (0xFF2A0C23)
YUV	23.5920, 5.6241, 16.1438
Hunter-Lab	9.3634, 10.1225, -4.1249

Details

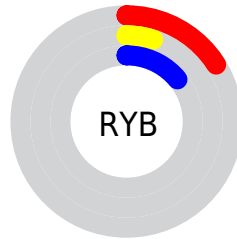
The YIQ color **23.5920, 10.4970, 13.5130** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30.4080, -10.4970, -13.5130**, and the grayscale version is **24.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **67.9020, 12.5600, 14.6720**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.1300, 11.9180, 15.2940**, and if you desaturate by 10%, it is **26.0540, 9.0760, 11.7320**.

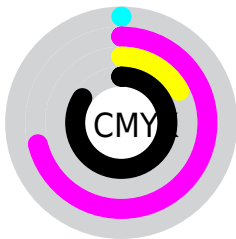
Distribution



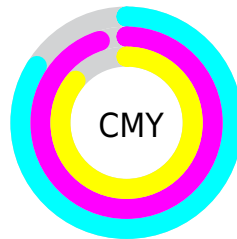
- Red (16%)
- Green (5%)
- Blue (14%)



- Red (16%)
- Yellow (5%)
- Blue (14%)



- Cyan (0%)
- Magenta (71%)
- Yellow (17%)
- Black (84%)



- Cyan (84%)
- Magenta (95%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 23.5920, 10.4970, 13.5130 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 23.5920, 10.4970, 13.5130 by changing the saturation by 10% instead.

■ 23.5920, 10.4970,
13.5130

■ 23.5920, 10.4970,
13.5130

■ 244.4340, 4.9500,
9.4140

■ 7.1630, 7.1510,
8.0710

■ 67.9020, 12.5600,
14.6720

■ 0.0000, 0.0000,
0.0000

■ 91.7280, 13.1100,
15.7180


■ 116.7280, 13.1100,
15.7180


■ 142.4400, 13.9810,
16.4530


■ 168.7390, 14.5770,
16.6650


■ 196.1520, 14.8520,

17.1880


 224.4510, 15.4480,
17.4000


 23.5920, 10.4970,
13.5130


 23.5920, 10.4970,
13.5130


 21.1300, 11.9180,
15.2940

 26.0540, 9.0760,
11.7320


 18.6680, 13.3390,
17.0750

 28.5160, 7.6550,
9.9510

 16.2060, 14.7600,
18.8560

 31.5650, 5.9590,
7.6470

 34.0270, 4.5380,
5.8660

 36.4890, 3.1170,
4.0850

■ 38.9510, 1.6960,
2.3040

■ 41.4130, 0.2750,
0.5230

■ 44.4620, -1.4210,
-1.7810

■ 46.9240, -2.8420,
-3.5620

Harmonies

Analogous

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



23.8830, -3.6240, 10.6160



23.5920, 10.4970, 13.5130



22.0290, 19.3920, 12.0000

Triad

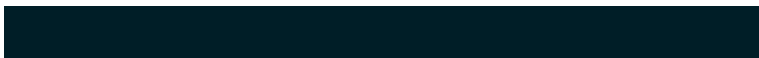
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.5920, 10.4970, 13.5130



22.4600, 10.0880, -6.6160



22.0560, -20.7690, -3.5610

Complementary

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



23.5920, 10.4970, 13.5130



30.4080, -10.4970, -13.5130

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.



21.1610, -16.8710, -8.1270



23.5920, 10.4970, 13.5130



19.4370, -0.2730, -11.5770

Square

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



23.5920, 10.4970, 13.5130



22.5260, 18.8900, -0.9340



18.4080, -10.4970, -13.5130



22.0220, -23.4290, 0.5950

Rectangle

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



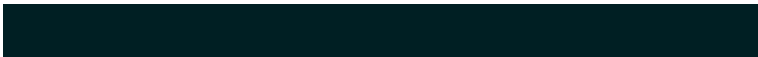
23.5920, 10.4970, 13.5130



21.1340, 23.2900, 7.4340



18.4080, -10.4970, -13.5130



22.1870, -19.7600, -5.3280

Sweetspot

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



23.5920, 10.4970, 13.5130



46.6140, 4.2630, 5.3430



17.5130, -5.4580, 10.8140



23.6630, 2.5670, 3.0390



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



23.5920, 10.4970, 13.5130



25.1570, 16.4560, 21.1600



21.8820, 15.3120, 8.8480



18.8260, 0.5500, 1.0460



32.4120, 29.5200, 37.7120



81.8560, 74.3500, 95.3260

Inverse Universe

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



23.5920, 10.4970, 13.5130



25.1570, 16.4560, 21.1600



32.1180, -15.3120, -8.8480



18.8260, 0.5500, 1.0460



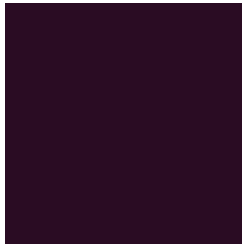
32.4120, 29.5200, 37.7120



81.8560, 74.3500, 95.3260

Previews

White Background



This preview shows how the YIQ color 23.5920, 10.4970, 13.5130 looks on a white background.

Color Contrast Check

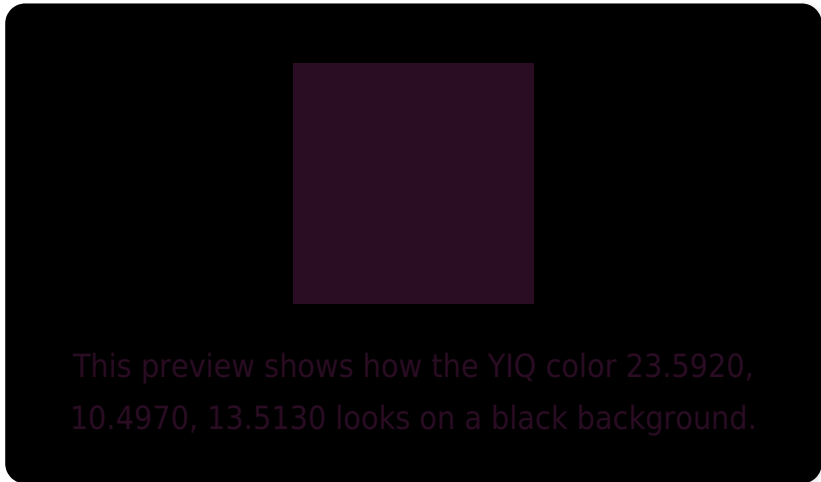
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5920, 10.4970, 13.5130

Background



This preview shows how black text looks on a background with the YIQ color 23.5920, 10.4970, 13.5130.



This preview shows how white text looks on a background with the YIQ color 23.5920, 10.4970,

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

23.5920, 10.4970, 13.5130

Protanopia

23.7030, -12.1050, 4.6230

Deuteranopia

24.7270, -3.4850, 2.5870



Tritanopia

23.9910, 13.3870, 5.1870

Trichromacy



Original Color

23.5920, 10.4970, 13.5130

Protanomaly

23.8890, -3.7610, 7.5910

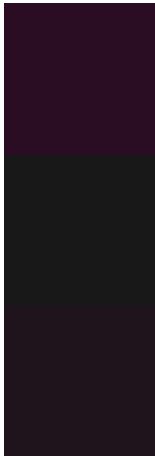
Deuteranomaly

24.5860, 1.4660, 6.4740

Tritanomaly

23.8000, 12.6070, 8.3110

Monochromacy



Original Color

23.5920, 10.4970, 13.5130

Achromatopsia

24.0000, -0.0000, 0.0000

Achromatomaly

24.2010, 3.9880, 4.8200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 23.5920, 10.4970, 13.5130 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(42, 12, 35)` looks like.

```
.text, #text, p{  
    color:rgb(42, 12, 35)  
}
```

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(42, 12, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 12, 35) }
```

Border

The CSS property to change the border of an element to YIQ 23.5920, 10.4970, 13.5130 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(42, 12, 35) }
```


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

```
.border{ border-color:rgb(42, 12, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 12, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 12, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 12, 35);  
box-shadow:4px 4px 4px 4px rgb(42, 12, 35)  
}
```

Background

The CSS property to change the background color of an element to YIQ 23.5920, 10.4970, 13.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 12, 35) }
```

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

```
.background{ background-color: rgb(42, 12,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor