

Converting Colors

YIQ(23.0200, -11.9200, -4.2400)

Have a look what the booklet for
YIQ(23.0200, -11.9200, -4.2400)
contains.

| | |
|--|----|
| YIQ(23.0200, -11.9200, -4.2400) | 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(23.0200, -11.9200,
-4.2400)**

Conversions

| Conversions Part 1 | |
|--------------------|----------------------------|
| Format | Color |
| Hex | 091D1D |
| RGB | 9, 29, 29 |
| RGB Percent | 4%, 11%, 11% |
| CMY | 0.9648, 0.8862, 0.8863 |
| CMYK | 0.69, 0.00, 0.00, 0.89 |
| HSL | 180°, 53%, 7% |
| HSV | 180°, 69%, 11% |
| XYZ | 0.7737, 1.0258, 1.3188 |
| YIQ | 23.0200, -11.9200, -4.2400 |

Conversions

Conversions Part 2

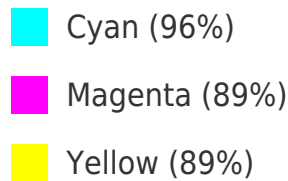
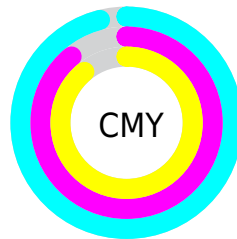
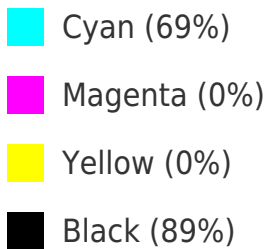
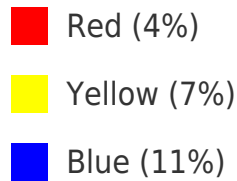
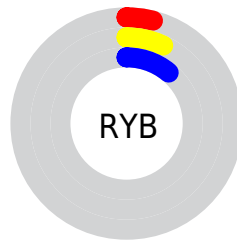
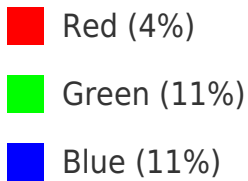
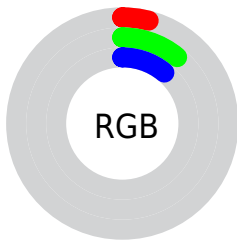
| Format | Color |
|-------------------------------------|--|
| RYB | 9, 19, 29 |
| Decimal | 597277 |
| CIELab | 9.20, -7.98, -2.48 |
| CIELCh | 9, 8.356, 197.231 |
| Yxy | 1.0258, 0.2481, 0.3290 |
| Android (android.graphics.Color) | 4278787357 (0xFF091D1D) |
| YUV | 23.0200, 2.9481, -12.2955 |
| Hunter-Lab | 10.1281, -4.0884, -0.6308 |

Details

The YIQ color **23.0200, -11.9200, -4.2400** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14.9800, 11.9200, 4.2400**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **66.6070, -12.1950, -4.7630**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **22.1230, -13.7080, -4.8760**, and if you desaturate by 10%, it is **23.9170, -10.1320, -3.6040**.

Distribution





Brightness & Saturation

Gradients


These gradients show how the YIQ color 23.0200, -11.9200, -4.2400 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 23.0200, -11.9200, -4.2400 by changing the saturation by 10% instead.


 23.0200, -11.9200,
-4.2400


 23.0200, -11.9200,
-4.2400


 248.4220,
-13.1120, -4.6640


 0.3420, -0.9630,
0.9330


 66.6070, -12.1950,
-4.7630

 0.0000, 0.0000,
0.0000

 89.7210, -12.5160,
-4.4520


 114.4220,
-13.1120, -4.6640


 140.4220,
-13.1120, -4.6640


 166.4220,
-13.1120, -4.6640


 193.7100,


-13.9830, -5.3990


 221.7100,
-13.9830, -5.3990


 23.0200, -11.9200,
-4.2400


 23.0200, -11.9200,
-4.2400


 22.1230, -13.7080,
-4.8760


 23.9170, -10.1320,
-3.6040


 21.2260, -15.4960,
-5.5120

 24.8140, -8.3440,
-2.9680

 20.3290, -17.2840,
-6.1480

 25.7110, -6.5560,
-2.3320

 26.6080, -4.7680,
-1.6960

 27.2060, -3.5760,
-1.2720

■ 28.1030, -1.7880,
-0.6360

■ 29.0000, -0.0000,
0.0000

■ 29.8970, 1.7880,
0.6360

■ 30.7940, 3.5760,
1.2720

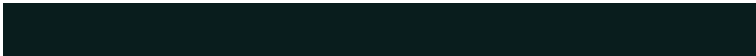
Harmonies

Analogous

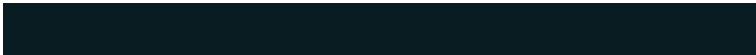
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.8310, -7.0140, -5.0460



23.0200, -11.9200, -4.2400



23.0030, -13.2500, -2.1620

Triad

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



23.0200, -11.9200, -4.2400



26.6460, 1.2370, 5.1170



25.7250, 8.0240, -2.2480

Complementary

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



23.0200, -11.9200, -4.2400



14.9800, 11.9200, 4.2400

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.



26.2030, 9.6740, 0.8900



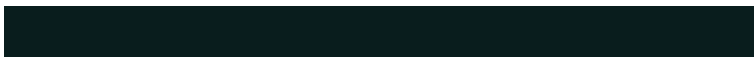
23.0200, -11.9200, -4.2400



26.6850, 5.5010, 4.9330

Square

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



23.0200, -11.9200, -4.2400



25.6560, -4.7230, 2.9970



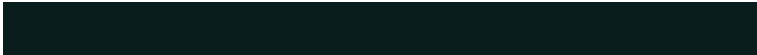
26.5990, 8.6190, 3.4910



25.5180, 4.1730, -4.0430

Rectangle

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



23.0200, -11.9200, -4.2400



24.4270, -11.5080, -0.6920



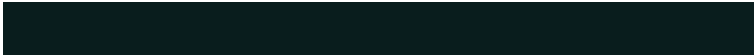
26.5990, 8.6190, 3.4910



25.8500, 9.1700, -0.9900

Sweetspot

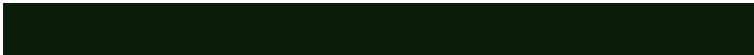
The Sweet Spot groups the original color and five complimentary colors.



23.0200, -11.9200, -4.2400



35.6080, -4.7680, -1.6960



20.7400, -5.5000, -10.4600



18.5050, -2.9800, -1.0600



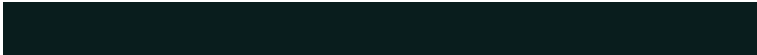
148.0000, -0.0000, 0.0000



20.0000, 0.0000, -0.0000

Same Dimension

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



23.0200, -11.9200, -4.2400



28.7310, -18.4760, -6.5720



17.1500, -9.1700, 0.9900



14.7010, -0.5960, -0.2120



55.3790, -47.0840, -16.7480



144.9930, -123.0510, -44.1950

Inverse Universe

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



14.9800, 11.9200, 4.2400



16.2690, 18.4760, 6.5720



20.8500, 9.1700, -0.9900



14.2990, 0.5960, 0.2120



23.6210, 47.0840, 16.7480



61.8930, 123.3720, 43.8840

Previews

White Background



This preview shows how the YIQ color 23.0200, -11.9200, -4.2400 looks on a white background.

Color Contrast Check

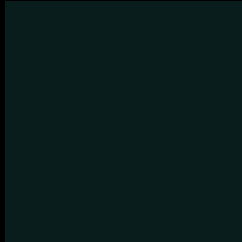
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0200, -11.9200, -4.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

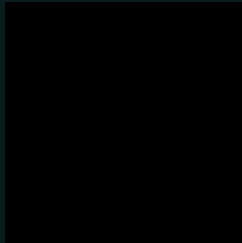
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

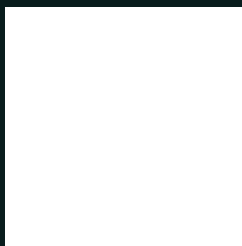
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 23.0200, -11.9200, -4.2400

Background



This preview shows how black text looks on a background with the YIQ color 23.0200, -11.9200, -4.2400.



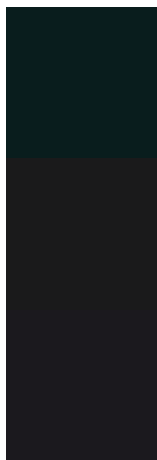
This preview shows how white text looks on a background with the YIQ color 23.0200, -11.9200,

-4.2400.

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

23.0200, -11.9200, -4.2400

Protanopia

26.1140, -0.3210, 0.3110

Deuteranopia

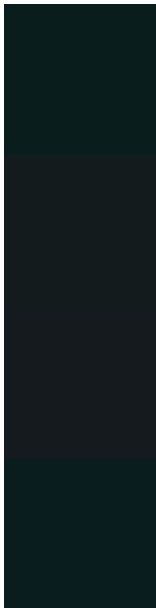
26.1680, -0.4130, 1.9790



Tritanopia

23.5470, -11.9660, -3.4060

Trichromacy



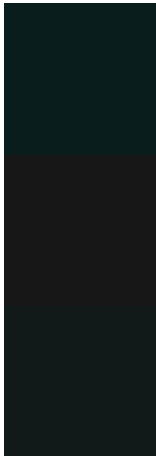
Original Color
23.0200, -11.9200, -4.2400

Protanomaly
25.0210, -4.4930, -1.1730

Deuteranomaly
24.6620, -4.8600, -0.0280

Tritanomaly
23.4330, -11.6450, -3.7170

Monochromacy



Original Color
23.0200, -11.9200, -4.2400

Achromatopsia
23.0000, 0.0000, -0.0000

Achromatomaly
22.9070, -4.1720, -1.4840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 23.0200, -11.9200, -4.2400 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(9, 29, 29)` looks like.

```
.text, #text, p{  
    color:rgb(9, 29, 29)  
}
```

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(9, 29, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 29, 29) }
```

Border

The CSS property to change the border of an element to YIQ 23.0200, -11.9200, -4.2400 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(9, 29, 29) }
```


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

```
.border{ border-color:rgb(9, 29, 29) }
```

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

Here you see how a box with a 4 pixel rgb(9, 29, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 29, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 29, 29); box-shadow:4px  
4px 4px 4px rgb(9, 29, 29) }
```

Background

The CSS property to change the background color of an element to YIQ 23.0200, -11.9200, -4.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 29, 29) }
```

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

```
.background{ background-color: rgb(9, 29,  
29) }
```

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