

Converting Colors

YIQ(21.2120, 14.6230, 15.8310)

Have a look what the booklet for
YIQ(21.2120, 14.6230, 15.8310)
contains.

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Color

**YIQ(21.2120, 14.6230,
15.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	2D0720
RGB	45, 7, 32
RGB Percent	18%, 3%, 13%
CMY	0.8234, 0.9726, 0.8745
CMYK	0.00, 0.84, 0.29, 0.82
HSL	321°, 73%, 10%
HSV	321°, 84%, 18%
XYZ	1.4200, 0.8145, 1.4496
YIQ	21.2120, 14.6230, 15.8310

Conversions

Conversions Part 2

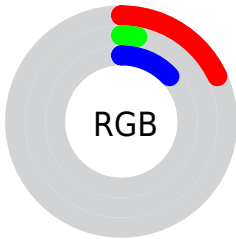
Format	Color
R_{YB}	45, 7, 32
Decimal	2950944
CIE Lab	7.36, 22.47, -7.13
CIE LCh	7, 23.575, 342.394
Yxy	0.8145, 0.3855, 0.2211
Android (android.graphics.Color)	4281141024 (0xFF2D0720)
YUV	21.2120, 5.3185, 20.8621
Hunter-Lab	9.0247, 12.2936, -3.2060




Details

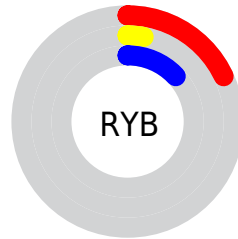
The YIQ color **21.2120, 14.6230, 15.8310** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **30.7880, -14.6230, -15.8310**, and the grayscale version is **21.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **66.4080, 17.0070, 16.6790**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.0490, 16.6400, 17.8240**, and if you desaturate by 10%, it is **23.7880, 12.8810, 14.3610**.

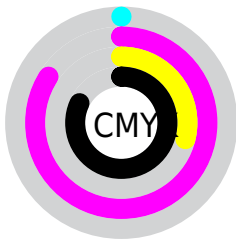
Distribution







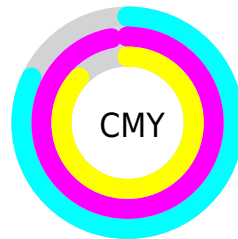
-  Red (18%)
-  Green (3%)
-  Blue (13%)






-  Red (18%)
-  Yellow (3%)
-  Blue (13%)



-  Cyan (0%)
-  Magenta (84%)
-  Yellow (29%)
-  Black (82%)





-  Cyan (82%)
-  Magenta (97%)
-  Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 21.2120, 14.6230, 15.8310 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 21.2120, 14.6230, 15.8310 by changing the saturation by 10% instead.

 21.2120, 14.6230,
15.8310


 21.2120, 14.6230,
15.8310


 242.0860, 6.0500,
11.5060


 7.3760, 10.8650,
6.8410

 66.4080, 17.0070,
16.6790

 0.0000, 0.0000,
0.0000

 90.7070, 17.6030,
16.8910


 115.4190, 18.4740,
17.6260


 141.1310, 19.3450,
18.3610


 167.4300, 19.9410,
18.5730


 195.1420, 20.8120,


19.3080


 223.1420, 20.8120,
19.3080


 21.2120, 14.6230,
15.8310


 21.2120, 14.6230,
15.8310

 18.0490, 16.6400,
17.8240


 23.7880, 12.8810,
14.3610

 16.8750, 17.1900,
18.8700

 26.8370, 11.1850,
12.0570

 29.4130, 9.4430,
10.5870

 32.4620, 7.7470,
8.2830

 35.0380, 6.0050,
6.8130

■ 38.0870, 4.3090,
4.5090

■ 41.2500, 2.2920,
2.5160

■ 43.7120, 0.8710,
0.7350

■ 46.8750, -1.1460,
-1.2580

Harmonies

Analogous

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



23.2040, -0.0940, 12.7220



21.2120, 14.6230, 15.8310



19.5950, 23.6100, 12.6500

Triad

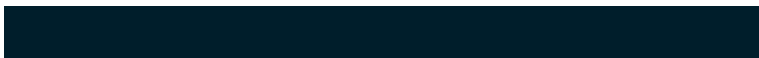
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.2120, 14.6230, 15.8310



20.9650, 7.1080, -7.6760



22.5120, -22.0530, -2.3170

Complementary

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



21.2120, 14.6230, 15.8310



30.7880, -14.6230, -15.8310

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.



21.3890, -17.5130, -7.5050



21.2120, 14.6230, 15.8310



16.4360, -7.7000, -14.6440

Square

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



21.2120, 14.6230, 15.8310



21.6290, 17.1020, -1.5700



18.5220, -10.8180, -13.2020



21.7770, -24.1170, 2.0510

Rectangle

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



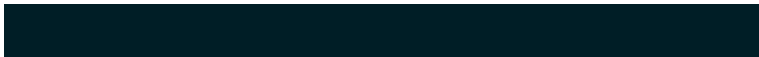
21.2120, 14.6230, 15.8310



19.3470, 27.0040, 6.2040



18.5220, -10.8180, -13.2020



21.9420, -20.4480, -3.8720

Sweetspot

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



21.2120, 14.6230, 15.8310



49.6250, 5.7300, 6.2900



15.2190, -4.4500, 14.5740



24.6740, 4.0340, 3.9860



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



21.2120, 14.6230, 15.8310



22.0870, 22.6450, 24.6370



19.0460, 20.7220, 9.9220



21.7120, 0.8710, 0.7350



32.5110, 33.5550, 36.1710



80.0600, 82.2830, 89.2190

Inverse Universe

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



21.2120, 14.6230, 15.8310



22.0870, 22.6450, 24.6370



32.9540, -20.7220, -9.9220



21.7120, 0.8710, 0.7350



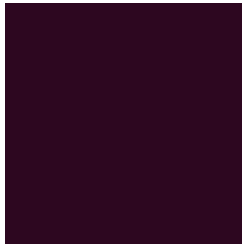
32.5110, 33.5550, 36.1710



80.0600, 82.2830, 89.2190

Previews

White Background



This preview shows how the YIQ color 21.2120, 14.6230, 15.8310 looks on a white background.

Color Contrast Check

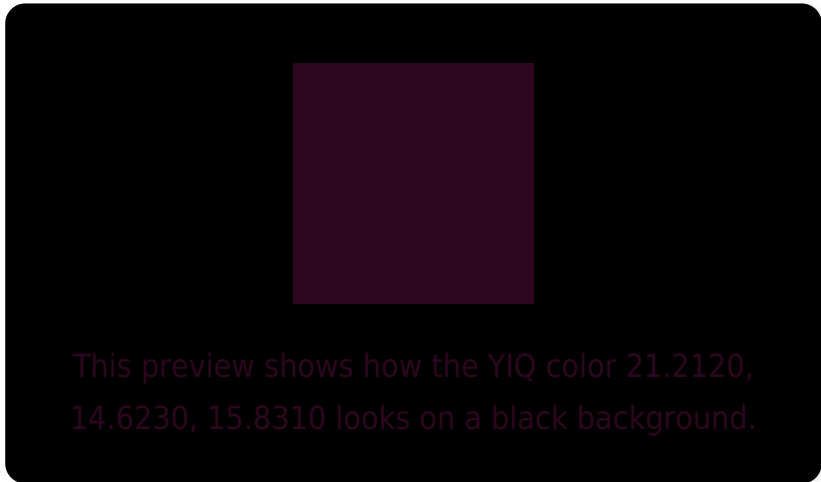
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2120, 14.6230, 15.8310

Background



This preview shows how black text looks on a background with the YIQ color 21.2120, 14.6230, 15.8310.



This preview shows how white text looks on a background with the YIQ color 21.2120, 14.6230,

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

21.2120, 14.6230, 15.8310

Protanopia

23.5890, -11.7840, 4.3120

Deuteranopia

24.6840, -1.9260, 1.8660



Tritanopia

23.0840, 17.5590, 6.6710

Trichromacy



Original Color

21.2120, 14.6230, 15.8310

Protanomaly

22.9000, -2.2940, 8.5380

Deuteranomaly

23.6680, 4.1710, 7.0110

Tritanomaly

22.0070, 16.4580, 10.1060

Monochromacy



Original Color

21.2120, 14.6230, 15.8310

Achromatopsia

21.0000, -0.0000, -0.0000

Achromatomaly

21.2120, 5.4550, 5.7670

CSS Examples

Text

The CSS property to change the color of the text to YIQ 21.2120, 14.6230, 15.8310 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(45, 7, 32)` looks like.

```
.text, #text, p{  
    color:rgb(45, 7, 32)  
}
```

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(45, 7, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 7, 32) }
```

Border

The CSS property to change the border of an element to YIQ 21.2120, 14.6230, 15.8310 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(45, 7, 32) }
```


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

```
.border{ border-color:rgb(45, 7, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 7, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 7, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 7, 32); box-shadow:4px  
4px 4px 4px rgb(45, 7, 32) }
```

Background

The CSS property to change the background color of an element to YIQ 21.2120, 14.6230, 15.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 7, 32) }
```

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

```
.background{ background-color: rgb(45, 7,  
32) }
```

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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