

Converting Colors

YIQ(20.4330, 6.6910, 16.4110)

Have a look what the booklet for
YIQ(20.4330, 6.6910, 16.4110)
contains.

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Color

**YIQ(20.4330, 6.6910,
16.4110)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|--------------------------|
| Hex | 250829 |
| RGB | 37, 8, 41 |
| RGB Percent | 15%, 3%, 16% |
| CMY | 0.8548, 0.9687, 0.8392 |
| CMYK | 0.10, 0.81, 0.00, 0.84 |
| HSL | 293°, 67%, 10% |
| HSV | 293°, 81%, 16% |
| XYZ | 1.2507, 0.7272, 2.1723 |
| YIQ | 20.4330, 6.6910, 16.4110 |

Conversions

Conversions Part 2

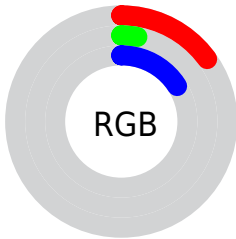
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 37, 8, 41 |
| Decimal | 2426921 |
| CIE Lab | 6.57, 20.76, -15.33 |
| CIE LCh | 7, 25.810, 323.558 |
| Yxy | 0.7272, 0.3014, 0.1752 |
| Android (android.graphics.Color) | 4280617001 (0xFF250829) |
| YUV | 20.4330, 10.1395, 14.5293 |
| Hunter-Lab | 8.5278, 11.2556, -9.1335 |

Details

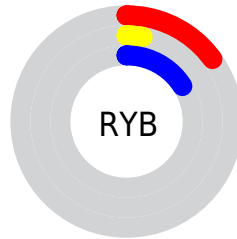
The YIQ color **20.4330, 6.6910, 16.4110** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28.5670, -6.6910, -16.4110**, and the grayscale version is **20.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **65.1450, 7.5620, 17.1460**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **18.0850, 7.7910, 18.5030**, and if you desaturate by 10%, it is **23.0800, 6.1870, 14.5310**.

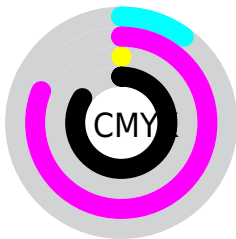
Distribution



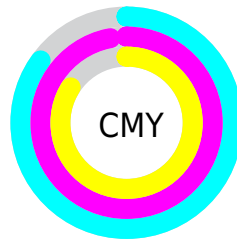
- Red (15%)
- Green (3%)
- Blue (16%)



- Red (15%)
- Yellow (3%)
- Blue (16%)



- Cyan (10%)
- Magenta (81%)
- Yellow (0%)
- Black (84%)



- Cyan (85%)
- Magenta (97%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 20.4330, 6.6910, 16.4110 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 20.4330, 6.6910, 16.4110 by changing the saturation by 10% instead.

■ 20.4330, 6.6910,
16.4110

■ 20.4330, 6.6910,
16.4110

■ 242.0860, 6.0500,
11.5060

■ 3.7750, -3.4400,
7.2800

■ 65.1450, 7.5620,
17.1460

■ 0.0000, 0.0000,
0.0000

■ 88.9710, 8.1120,
18.1920

■ 113.3840, 8.3870,
18.7150


■ 139.2100, 8.9370,
19.7610


■ 165.6230, 9.2120,
20.2840


■ 193.0360, 9.4870,


20.8070


 220.4490, 9.7620,
21.3300


 20.4330, 6.6910,
16.4110

 20.4330, 6.6910,
16.4110

 18.0850, 7.7910,
18.5030


 23.0800, 6.1870,
14.5310

 15.4380, 8.2950,
20.3830

 25.4280, 5.0870,
12.4390

 28.0750, 4.5830,
10.5590

 30.4230, 3.4830,
8.4670

 32.7710, 2.3830,
6.3750

■ 36.0050, 1.6040,
3.9720

■ 38.3530, 0.5040,
1.8800

■ 41.0000, 0.0000,
-0.0000

■ 43.3480, -1.1000,
-2.0920

Harmonies

Analogous

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



19.4840, -15.6820, 8.8780



20.4330, 6.6910, 16.4110



17.7890, 20.3080, 17.4280

Triad

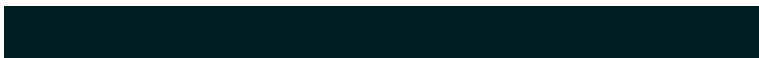
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.4330, 6.6910, 16.4110



19.8350, 13.5260, -2.8420



21.4860, -19.1640, -5.1160

Complementary

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



20.4330, 6.6910, 16.4110



28.5670, -6.6910, -16.4110

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.



19.3200, -13.0650, -11.0250



20.4330, 6.6910, 16.4110



17.0780, -0.6400, -10.4320

Square

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



20.4330, 6.6910, 16.4110



18.7270, 22.8780, 3.8860



16.4360, -7.7000, -14.6440



21.9080, -23.1080, 0.2840

Rectangle

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



20.4330, 6.6910, 16.4110



16.7910, 25.9940, 13.4980



16.4360, -7.7000, -14.6440



21.3890, -17.5130, -7.5050

Sweetspot

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



20.4330, 6.6910, 16.4110



45.7710, 2.3830, 6.3750



14.1100, -11.6930, 8.1710



23.0050, 1.6040, 3.9720



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.



20.4330, 6.6910, 16.4110



21.3830, 10.1280, 25.7120



20.2610, 12.9270, 13.5270



18.8260, 0.5500, 1.0460



31.7020, 17.1400, 41.8120



79.7820, 42.8040, 105.3640

Inverse Universe

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



18.3230, 18.3840, 8.2400



18.2320, 29.0660, 12.8900



28.7390, -12.9270, -13.5270



18.7120, 0.8710, 0.7350



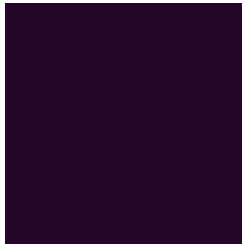
26.2560, 46.8540, 20.9180



66.2380, 118.3270, 52.7190

Previews

White Background



This preview shows how the YIQ color 20.4330, 6.6910, 16.4110 looks on a white background.

Color Contrast Check

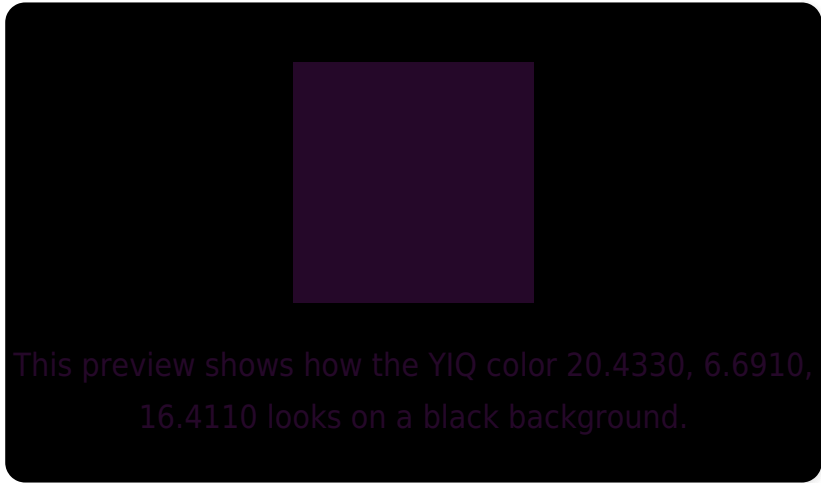
Large Text (above 18pt) WCAG AA ✓ Pass

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

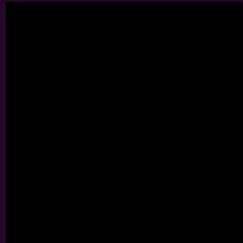
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 20.4330, 6.6910, 16.4110

Background



This preview shows how black text looks on a background with the YIQ color 20.4330, 6.6910, 16.4110.



This preview shows how white text looks on a background with the YIQ color 20.4330, 6.6910,

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

20.4330, 6.6910, 16.4110

Protanopia

18.1580, -20.8160, 2.8000

Deuteranopia

20.9370, -12.8840, 2.2200



Tritanopia

22.3110, 9.4900, 4.2260

Trichromacy



Original Color

20.4330, 6.6910, 16.4110

Protanomaly

18.8820, -11.0510, 7.5490

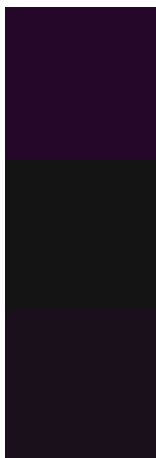
Deuteranomaly

21.1060, -5.8700, 7.2660

Tritanomaly

21.7610, 8.3430, 8.4950

Monochromacy



Original Color

20.4330, 6.6910, 16.4110

Achromatopsia

20.0000, 0.0000, -0.0000

Achromatomaly

20.3580, 2.1080, 5.8520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 20.4330, 6.6910, 16.4110 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(37, 8, 41)` looks like.

```
.text, #text, p{  
    color:rgb(37, 8, 41)  
}
```

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(37, 8, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 8, 41) }
```

Border

The CSS property to change the border of an element to YIQ 20.4330, 6.6910, 16.4110 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(37, 8, 41) }
```


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

```
.border{ border-color:rgb(37, 8, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 8, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 8, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(37, 8, 41); box-shadow:4px  
4px 4px 4px rgb(37, 8, 41) }
```

Background

The CSS property to change the background color of an element to YIQ 20.4330, 6.6910, 16.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 8, 41) }
```

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

```
.background{ background-color: rgb(37, 8,  
41) }
```

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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