

Converting Colors

YIQ(31.4200, 25.9010, 20.6930)

Have a look what the booklet for
YIQ(31.4200, 25.9010, 20.6930)
contains.

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Color

**YIQ(31.4200, 25.9010,
20.6930)**

Conversions

Conversions Part 1

Format	Color
Hex	450B26
RGB	69, 11, 38
RGB Percent	27%, 4%, 15%
CMY	0.7293, 0.9569, 0.8509
CMYK	0.00, 0.84, 0.45, 0.73
HSL	332°, 73%, 16%
HSV	332°, 84%, 27%
XYZ	2.9266, 1.6455, 1.9989
YIQ	31.4200, 25.9010, 20.6930

Conversions

Conversions Part 2

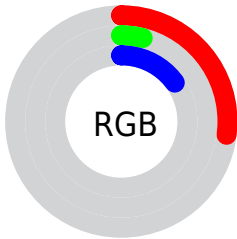
Format	Color
R_{YB}	69, 11, 38
Decimal	4524838
CIE _{Lab}	13.50, 29.54, -1.89
CIE _{LCh}	14, 29.601, 356.340
Yxy	1.6455, 0.4454, 0.2504
Android (android.graphics.Color)	4282714918 (0xFF450B26)
YUV	31.4200, 3.2439, 32.9577
Hunter-Lab	12.8278, 18.2758, -0.2593

Details

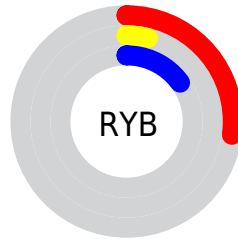
The YIQ color **31.4200, 25.9010, 20.6930** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **48.5800, -25.9010, -20.6930**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **79.9750, 28.6520, 20.3960**, and **1.1960, 2.3840, 0.8480** is the 20% darker color. If you saturate the color by 10%, you get **26.8550, 29.1100, 23.1100**, and if you desaturate by 10%, it is **35.9850, 22.6920, 18.2760**.

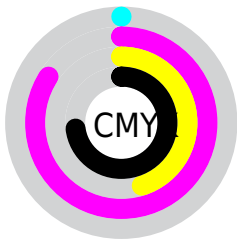
Distribution



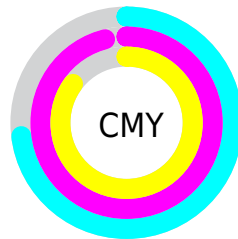
- Red (27%)
- Green (4%)
- Blue (15%)



- Red (27%)
- Yellow (4%)
- Blue (15%)



- Cyan (0%)
- Magenta (84%)
- Yellow (45%)
- Black (73%)



- Cyan (73%)
- Magenta (96%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 31.4200, 25.9010, 20.6930 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 31.4200, 25.9010, 20.6930 by changing the saturation by 10% instead.


 31.4200, 25.9010,
20.6930


 31.4200, 25.9010,
20.6930

 249.1300, 2.7500,
5.2300


 15.6920, 21.9590,
15.0390


 79.9750, 28.6520,
20.3960


 1.1960, 2.3840,
0.8480

 104.8720, 30.4400,
21.0320

 0.0000, 0.0000,
0.0000


 130.4700, 31.6320,
21.4560


 157.0680, 32.8240,
21.8800


 184.6660, 34.0160,
22.3040


 210.8830, 31.9070,


21.9790


 230.5110, 15.2190,
16.0430


 31.4200, 25.9010,
20.6930


 31.4200, 25.9010,
20.6930


 26.8550, 29.1100,
23.1100


 35.9850, 22.6920,
18.2760

 24.2790, 30.8520,
24.5800

 40.4360, 19.8040,
15.5480

 45.0010, 16.5950,
13.1310

 49.5660, 13.3860,
10.7140

 53.4300, 10.7730,
8.5090

■ 57.9950, 7.5640,
6.0920

■ 62.5600, 4.3550,
3.6750

■ 67.1250, 1.1460,
1.2580

■ 71.5760, -1.7420,
-1.4700

Harmonies

Analogous

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



35.3950, 9.8540, 19.6620



31.4200, 25.9010, 20.6930



31.0860, 32.4130, 12.8050

Triad

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



31.4200, 25.9010, 20.6930



30.9660, 5.3670, -14.6730



32.5200, -33.6990, -0.5070

Complementary

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



31.4200, 25.9010, 20.6930



48.5800, -25.9010, -20.6930

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.



31.7560, -28.7920, -6.8400



31.4200, 25.9010, 20.6930



25.4520, -13.7970, -19.7890

Square

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



31.4200, 25.9010, 20.6930



33.1250, 18.3410, -7.5070



29.3620, -22.0510, -13.3710



30.9700, -34.8460, 3.7620

Rectangle

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



31.4200, 25.9010, 20.6930



31.1750, 33.2400, 3.3200



29.3620, -22.0510, -13.3710



32.5370, -32.3690, -2.5850

Sweetspot

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



31.4200, 25.9010, 20.6930



74.7180, 9.9020, 7.7740



26.8810, -0.1420, 24.6100



36.9840, 6.0970, 5.1450



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



31.4200, 25.9010, 20.6930



31.3990, 39.5620, 31.9300



29.5160, 34.0180, 11.2500



33.4240, 1.7420, 1.4700



34.8450, 44.2380, 35.2940



79.9570, 101.2660, 81.0900

Inverse Universe

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



31.4200, 25.9010, 20.6930



31.3990, 39.5620, 31.9300



50.4840, -34.0180, -11.2500



33.4240, 1.7420, 1.4700



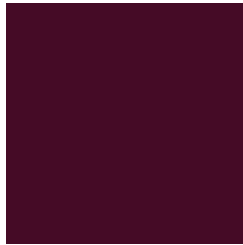
34.8450, 44.2380, 35.2940



79.9570, 101.2660, 81.0900

Previews

White Background



This preview shows how the YIQ color 31.4200, 25.9010, 20.6930 looks on a white background.

Color Contrast Check

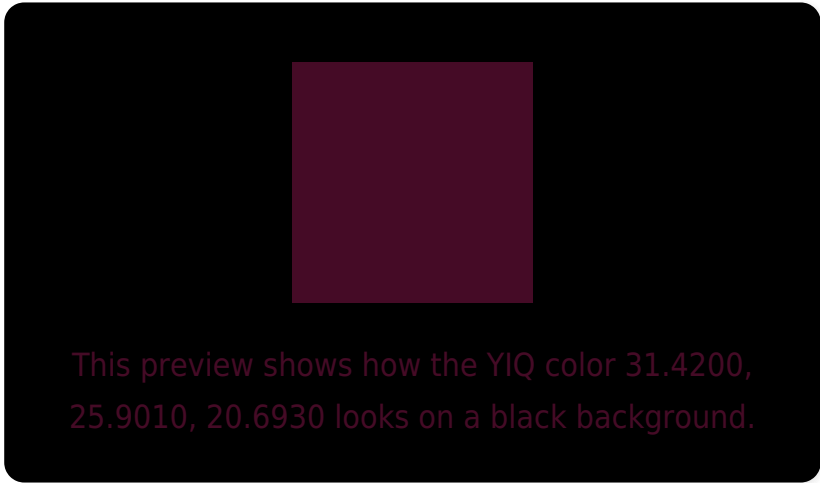
Large Text (above 18pt) WCAG AA ✓ Pass

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

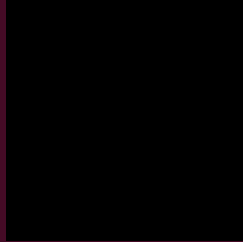
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.4200, 25.9010, 20.6930

Background



This preview shows how black text looks on a background with the YIQ color 31.4200, 25.9010, 20.6930.



This preview shows how white text looks on a background with the YIQ color 31.4200, 25.9010,

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

31.4200, 25.9010, 20.6930

Protanopia

36.7420, -7.8410, 4.4390

Deuteranopia

37.3810, 3.3010, 0.7490



Tritanopia

32.9500, 29.8000, 10.6000

Trichromacy



Original Color

31.4200, 25.9010, 20.6930

Protanomaly

34.7760, 3.9870, 10.3470

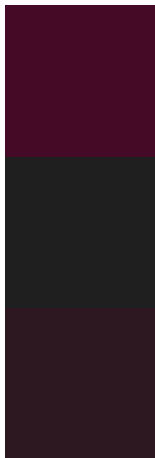
Deuteranomaly

35.2020, 11.4150, 7.8870

Tritanomaly

31.9870, 28.3780, 14.3460

Monochromacy



Original Color

31.4200, 25.9010, 20.6930

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.4190, 9.3060, 7.5620

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.4200, 25.9010, 20.6930 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(69, 11, 38)` looks like.

```
.text, #text, p{  
    color:rgb(69, 11, 38)  
}
```

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(69, 11, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 11, 38) }
```

Border

The CSS property to change the border of an element to YIQ 31.4200, 25.9010, 20.6930 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(69, 11, 38) }
```


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

```
.border{ border-color:rgb(69, 11, 38) }
```

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

Here you see how a box with a 4 pixel rgb(69, 11, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 11, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 11, 38);  
box-shadow:4px 4px 4px 4px rgb(69, 11, 38)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.4200, 25.9010, 20.6930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 11, 38) }
```

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

```
.background{ background-color: rgb(69, 11,  
38) }
```

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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