

Converting Colors

YIQ(30.0990, 13.2030, 8.5230)

Have a look what the booklet for
YIQ(30.0990, 13.2030, 8.5230)
contains.

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Color

**YIQ(30.0990, 13.2030,
8.5230)**

Conversions

Conversions Part 1

Format	Color
Hex	30151E
RGB	48, 21, 30
RGB Percent	19%, 8%, 12%
CMY	0.8117, 0.9177, 0.8823
CMYK	0.00, 0.56, 0.37, 0.81
HSL	340°, 39%, 14%
HSV	340°, 56%, 19%
XYZ	1.7222, 1.2585, 1.3812
YIQ	30.0990, 13.2030, 8.5230

Conversions

Conversions Part 2

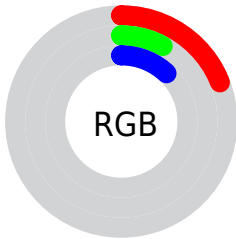
Format	Color
R_{YB}	48, 21, 30
Decimal	3151134
CIE Lab	10.98, 15.02, -0.12
CIE LCh	11, 15.024, 359.531
Yxy	1.2585, 0.3948, 0.2885
Android (android.graphics.Color)	4281341214 (0xFF30151E)
YUV	30.0990, -0.0488, 15.6992
Hunter-Lab	11.2184, 7.7706, 0.5530

Details

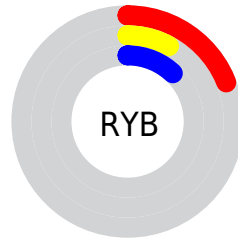
The YIQ color **30.0990, 13.2030, 8.5230** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **38.9010, -13.2030, -8.5230**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **74.4090, 15.2660, 9.6820**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.8220, 15.5410, 10.2050**, and if you desaturate by 10%, it is **33.3760, 10.8650, 6.8410**.

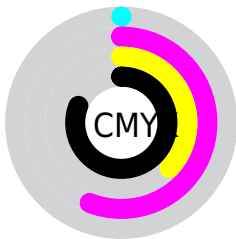
Distribution



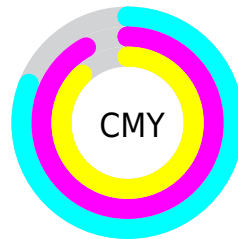
- Red (19%)
- Green (8%)
- Blue (12%)



- Red (19%)
- Yellow (8%)
- Blue (12%)



- Cyan (0%)
- Magenta (56%)
- Yellow (37%)
- Black (81%)



- Cyan (81%)
- Magenta (92%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 30.0990, 13.2030, 8.5230 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 30.0990, 13.2030, 8.5230 by changing the saturation by 10% instead.

■ 30.0990, 13.2030,
8.5230

■ 30.0990, 13.2030,
8.5230

■ 250.8910, 1.9250,
3.6610

■ 9.5400, 16.2750,
7.9150

■ 74.4090, 15.2660,
9.6820

■ 0.0000, 0.0000,
0.0000

■ 98.5940, 16.1830,
9.5830

■ 123.6050, 17.6500,
10.5300

■ 149.6050, 17.6500,
10.5300

■ 176.2030, 18.8420,
10.9540

■ 204.2030, 18.8420,

10.9540

■ 231.0180, 17.9250,
11.0530

■ 30.0990, 13.2030,
8.5230

■ 30.0990, 13.2030,
8.5230

■ 26.8220, 15.5410,
10.2050

■ 33.3760, 10.8650,
6.8410

■ 23.5450, 17.8790,
11.8870

■ 36.6530, 8.5270,
5.1590

■ 20.7410, 20.2630,
12.7350

■ 39.4570, 6.1430,
4.3110

■ 17.4640, 22.6010,
14.4170

■ 42.7340, 3.8050,
2.6290

■ 16.1760, 23.4720,
15.1520

■ 46.0110, 1.4670,
0.9470

■ 49.2880, -0.8710,
-0.7350

■ 52.5650, -3.2090,
-2.4170

■ 55.3690, -5.5930,
-3.2650

■ 58.6460, -7.9310,
-4.9470

Harmonies

Analogous

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



30.6190, 5.8670, 9.3150



30.0990, 13.2030, 8.5230



29.5460, 16.1380, 4.8900

Triad

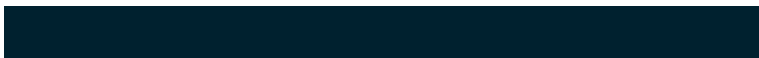
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.0990, 13.2030, 8.5230



27.4700, 4.1280, -8.7360



24.7290, -24.1620, -2.6420

Complementary

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



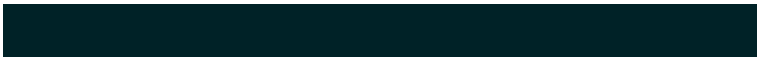
30.0990, 13.2030, 8.5230



38.9010, -13.2030, -8.5230

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.



24.4040, -21.8690, -5.6530



30.0990, 13.2030, 8.5230



25.8970, -7.3800, -9.4280

Square

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



30.0990, 13.2030, 8.5230



28.4280, 13.1140, -6.3900



23.8510, -18.9340, -9.2860



27.1860, -18.0190, 1.6690

Rectangle

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



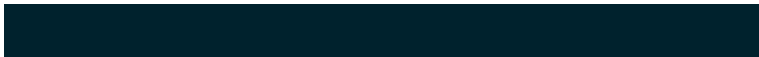
30.0990, 13.2030, 8.5230



29.2100, 16.9640, 0.9320



23.8510, -18.9340, -9.2860



25.0880, -23.7950, -3.7870

Sweetspot

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



30.0990, 13.2030, 8.5230



54.3320, 4.9970, 3.0530



29.4600, 2.0610, 12.2130



26.4350, 3.2090, 2.4170



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.



30.0990, 13.2030, 8.5230



33.7410, 20.2630, 12.7350



31.4210, 14.9920, 3.6320



21.5980, 1.1920, 0.4240



29.3190, 42.5430, 27.4630



72.0800, 104.7530, 67.4490

Inverse Universe

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



30.0990, 13.2030, 8.5230



33.7410, 20.2630, 12.7350



37.5790, -14.9920, -3.6320



21.5980, 1.1920, 0.4240



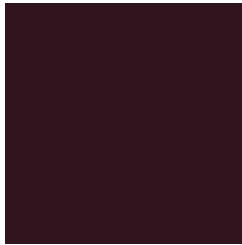
29.3190, 42.5430, 27.4630



72.0800, 104.7530, 67.4490

Previews

White Background



This preview shows how the YIQ color 30.0990, 13.2030, 8.5230 looks on a white background.

Color Contrast Check

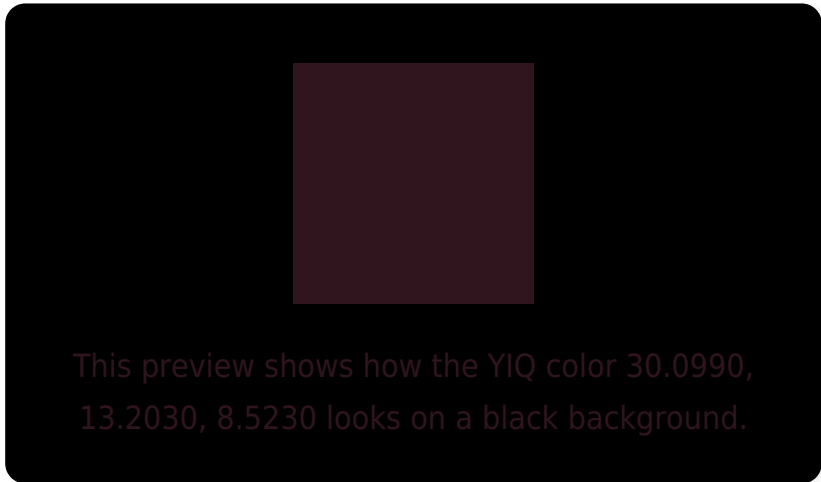
Large Text (above 18pt) WCAG AA ✓ Pass

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

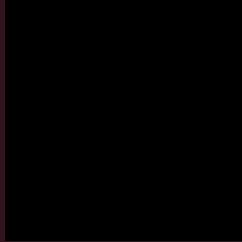
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 30.0990, 13.2030, 8.5230

Background



This preview shows how black text looks on a background with the YIQ color 30.0990, 13.2030, 8.5230.

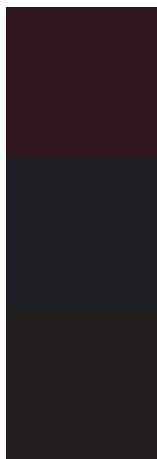


This preview shows how white text looks on a background with the YIQ color 30.0990, 13.2030,

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

30.0990, 13.2030, 8.5230

Protanopia

30.2710, -2.2010, 1.3430

Deuteranopia

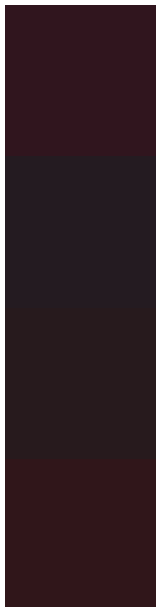
30.4950, 2.9800, 1.0600



Tritanopia

30.0020, 14.8540, 6.1340

Trichromacy



Original Color

30.0990, 13.2030, 8.5230

Protanomaly

30.3750, 3.4380, 3.7740

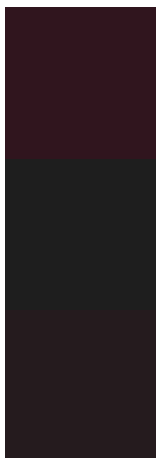
Deuteranomaly

30.2290, 6.7850, 3.6890

Tritanomaly

30.2300, 14.2120, 6.7560

Monochromacy



Original Color

30.0990, 13.2030, 8.5230

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

30.3320, 4.9970, 3.0530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 30.0990, 13.2030, 8.5230 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(48, 21, 30)` looks like.

```
.text, #text, p{  
    color:rgb(48, 21, 30)  
}
```

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(48, 21, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 21, 30) }
```

Border

The CSS property to change the border of an element to YIQ 30.0990, 13.2030, 8.5230 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(48, 21, 30) }
```


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

```
.border{ border-color:rgb(48, 21, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 21, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 21, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 21, 30);  
box-shadow:4px 4px 4px 4px rgb(48, 21, 30)  
}
```

Background

The CSS property to change the background color of an element to YIQ 30.0990, 13.2030, 8.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 21, 30) }
```

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

```
.background{ background-color: rgb(48, 21,  
30) }
```

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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