

Converting Colors

YIQ(29.5010, 12.0110, 8.0990)

Have a look what the booklet for
YIQ(29.5010, 12.0110, 8.0990)
contains.

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Color

**YIQ(29.5010, 12.0110,
8.0990)**

Conversions

Conversions Part 1

Format	Color
Hex	2E151E
RGB	46, 21, 30
RGB Percent	18%, 8%, 12%
CMY	0.8195, 0.9177, 0.8823
CMYK	0.00, 0.54, 0.35, 0.82
HSL	338°, 37%, 13%
HSV	338°, 54%, 18%
XYZ	1.6299, 1.2110, 1.3768
YIQ	29.5010, 12.0110, 8.0990

Conversions

Conversions Part 2

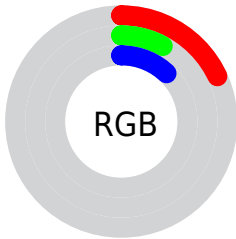
Format	Color
R_{YB}	46, 21, 30
Decimal	3020062
CIE _{Lab}	10.64, 14.12, -0.67
CIE _{LCh}	11, 14.134, 357.295
Yxy	1.2110, 0.3864, 0.2871
Android (android.graphics.Color)	4281210142 (0xFF2E151E)
YUV	29.5010, 0.2460, 14.4696
Hunter-Lab	11.0044, 7.1808, 0.2849

Details

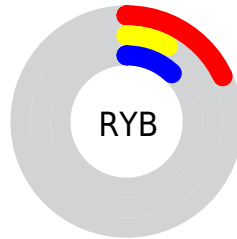
The YIQ color **29.5010, 12.0110, 8.0990** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **37.4990, -12.0110, -8.0990**, and the grayscale version is **29.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **73.8110, 14.0740, 9.2580**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.2240, 14.3490, 9.7810**, and if you desaturate by 10%, it is **32.7780, 9.6730, 6.4170**.

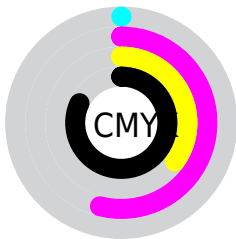
Distribution



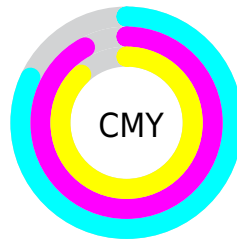
- Red (18%)
- Green (8%)
- Blue (12%)



- Red (18%)
- Yellow (8%)
- Blue (12%)



- Cyan (0%)
- Magenta (54%)
- Yellow (35%)
- Black (82%)



- Cyan (82%)
- Magenta (92%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 29.5010, 12.0110, 8.0990 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 29.5010, 12.0110, 8.0990 by changing the saturation by 10% instead.

■ 29.5010, 12.0110,
8.0990

■ 29.5010, 12.0110,
8.0990

■ 250.8910, 1.9250,
3.6610

■ 8.9420, 15.0830,
7.4910

■ 73.8110, 14.0740,
9.2580

■ 0.0000, 0.0000,
0.0000

■ 97.9960, 14.9910,
9.1590


■ 122.7080, 15.8620,
9.8940


■ 149.0070, 16.4580,
10.1060


■ 175.3060, 17.0540,
10.3180


■ 202.7190, 17.3290,

10.8410


 231.0180, 17.9250,
11.0530


 29.5010, 12.0110,
8.0990


 29.5010, 12.0110,
8.0990

 26.2240, 14.3490,
9.7810


 32.7780, 9.6730,
6.4170

 23.5340, 16.4120,
10.9400


 35.4680, 7.6100,
5.2580


 20.2570, 18.7500,
12.6220

 38.7450, 5.2720,
3.5760

 17.5670, 20.8130,
13.7810

 41.4350, 3.2090,
2.4170

 15.6920, 21.9590,
15.0390

 44.7120, 0.8710,
0.7350

■ 47.9890, -1.4670,
-0.9470

■ 50.6790, -3.5300,
-2.1060

■ 53.9560, -5.8680,
-3.7880

■ 56.5320, -7.6100,
-5.2580

Harmonies

Analogous

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



29.9070, 4.9960, 8.5800



29.5010, 12.0110, 8.0990



29.2470, 15.5420, 4.6780

Triad

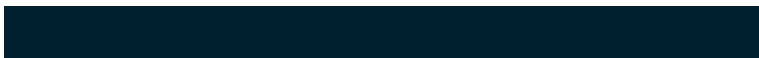
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.5010, 12.0110, 8.0990



27.1820, 4.9990, -8.0010



23.9140, -23.2450, -2.7410

Complementary

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



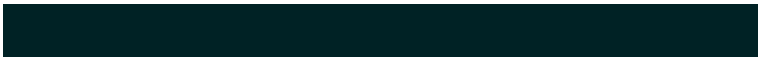
29.5010, 12.0110, 8.0990



37.4990, -12.0110, -8.0990

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.



24.1760, -21.2270, -6.2750



29.5010, 12.0110, 8.0990



25.6090, -6.5090, -8.6930

Square

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



29.5010, 12.0110, 8.0990



27.6560, 12.4720, -5.7680



23.4490, -17.7420, -8.8620



26.3710, -17.1020, 1.5700

Rectangle

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



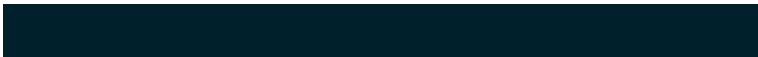
29.5010, 12.0110, 8.0990



28.5520, 16.0010, 1.8650



23.4490, -17.7420, -8.8620



24.2730, -22.8780, -3.8860

Sweetspot

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



29.5010, 12.0110, 8.0990



52.4460, 4.6760, 3.3640



28.6340, 1.5110, 11.1670



27.0220, 2.9340, 1.8940



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.



29.5010, 12.0110, 8.0990



33.8440, 18.4750, 12.0990



30.2360, 14.0750, 3.7310



21.5980, 1.1920, 0.4240



29.5470, 41.9010, 28.0850



72.7640, 102.8270, 69.3150

Inverse Universe

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



29.5010, 12.0110, 8.0990



33.8440, 18.4750, 12.0990



36.7640, -14.0750, -3.7310



21.5980, 1.1920, 0.4240



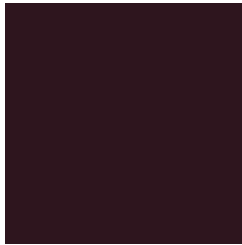
29.5470, 41.9010, 28.0850



72.7640, 102.8270, 69.3150

Previews

White Background



This preview shows how the YIQ color 29.5010, 12.0110, 8.0990 looks on a white background.

Color Contrast Check

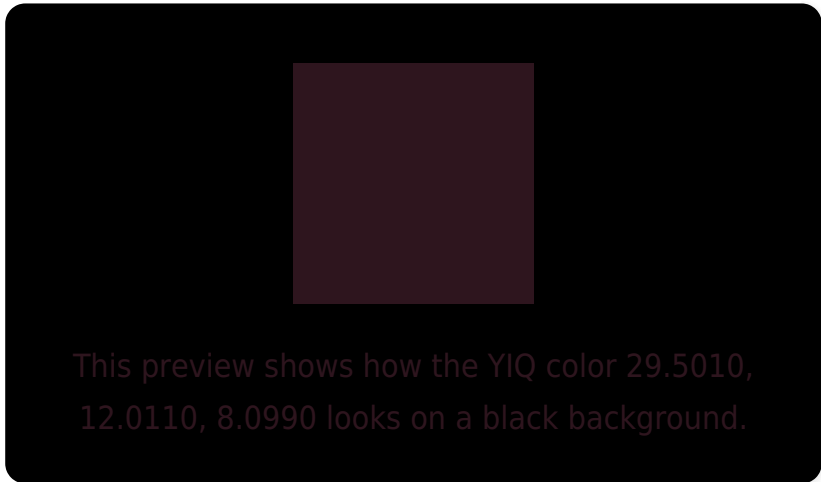
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5010, 12.0110, 8.0990

Background



This preview shows how black text looks on a background with the YIQ color 29.5010, 12.0110, 8.0990.

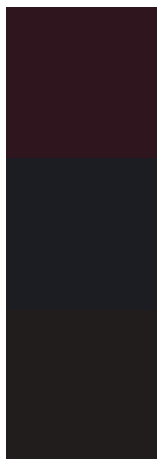


This preview shows how white text looks on a background with the YIQ color 29.5010, 12.0110,

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

29.5010, 12.0110, 8.0990

Protanopia

29.3850, -2.5220, 1.6540

Deuteranopia

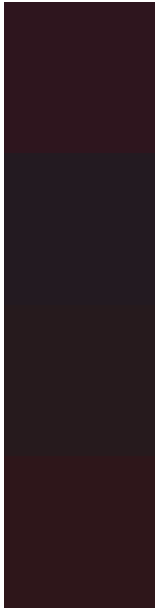
30.1960, 2.3840, 0.8480



Tritanopia

29.4040, 13.6620, 5.7100

Trichromacy



Original Color

29.5010, 12.0110, 8.0990

Protanomaly

29.4890, 3.1170, 4.0850

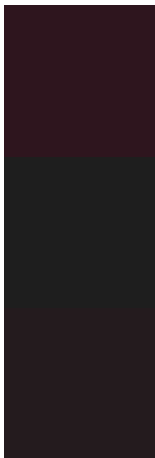
Deuteranomaly

29.9300, 6.1890, 3.4770

Tritanomaly

29.6320, 13.0200, 6.3320

Monochromacy



Original Color

29.5010, 12.0110, 8.0990

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

30.0330, 4.4010, 2.8410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.5010, 12.0110, 8.0990 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(46, 21, 30)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 21, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 21, 30) }
```

Border

The CSS property to change the border of an element to YIQ 29.5010, 12.0110, 8.0990 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(46, 21, 30) }
```


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

```
.border{ border-color:rgb(46, 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(46, 21, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 21, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 21, 30);  
box-shadow:4px 4px 4px 4px rgb(46, 21, 30)  
}
```

Background

The CSS property to change the background color of an element to YIQ 29.5010, 12.0110, 8.0990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 21, 30) }
```

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

```
.background{ background-color: rgb(46, 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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