

Converting Colors

YIQ(29.9620, -31.2270, 20.7810)

Have a look what the booklet for
YIQ(29.9620, -31.2270, 20.7810)
contains.

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Color

**YIQ(29.9620, -31.2270,
20.7810)**

Conversions

Conversions Part 1

Format	Color
Hex	0D1964
RGB	13, 25, 100
RGB Percent	5%, 10%, 39%
CMY	0.9490, 0.9019, 0.6080
CMYK	0.87, 0.75, 0.00, 0.61
HSL	232°, 77%, 22%
HSV	232°, 87%, 39%
XYZ	2.8118, 1.7003, 12.2248
YIQ	29.9620, -31.2270, 20.7810

Conversions

Conversions Part 2

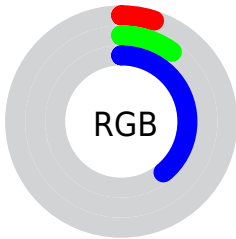
Format	Color
R_{YB}	13, 24, 100
Decimal	858468
CIE _{Lab}	13.83, 26.07, -45.06
CIE _{LCh}	14, 52.053, 300.052
Yxy	1.7003, 0.1680, 0.1016
Android (android.graphics.Color)	4279048548 (0xFF0D1964)
YUV	29.9620, 34.5287, -14.8757
Hunter-Lab	13.0395, 15.6720, -46.4579

Details

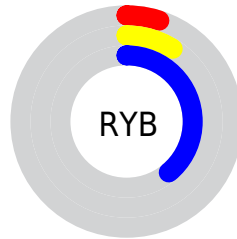
The YIQ color **29.9620, -31.2270, 20.7810** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **83.0380, 31.2270, -20.7810**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **79.6690, -22.7920, 27.6080**, and **8.2760, -17.7920, 14.0800** is the 20% darker color. If you saturate the color by 10%, you get **21.6890, -34.7120, 23.3680**, and if you desaturate by 10%, it is **38.2350, -27.7420, 18.1940**.

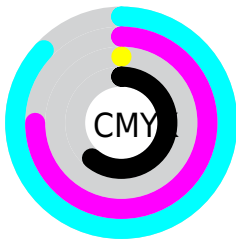
Distribution



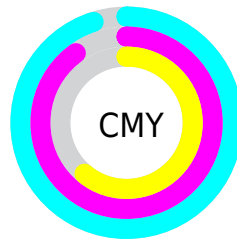
- Red (5%)
- Green (10%)
- Blue (39%)



- Red (5%)
- Yellow (9%)
- Blue (39%)



- Cyan (87%)
- Magenta (75%)
- Yellow (0%)
- Black (61%)



- Cyan (95%)
- Magenta (90%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 29.9620, -31.2270, 20.7810 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 29.9620, -31.2270, 20.7810 by changing the saturation by 10% instead.

■ 29.9620, -31.2270,
20.7810

■ 29.9620, -31.2270,
20.7810

■ 253.8260, 0.5500,
1.0460

■ 9.7240, -24.6250,
22.2790

■ 79.6690, -22.7920,
27.6080

■ 8.2760, -17.7920,
14.0800

■ 104.9080,
-21.9670, 29.1770

■ 4.5940, -10.1800,
8.2840

■ 130.8480,
-21.7380, 30.5340

■ 0.0000, 0.0000,
0.0000

■ 157.0870,
-20.9130, 32.1030

■ 183.5880,
-18.0700, 30.1380

■ 207.8090, -8.8070,

21.9530

■ 232.9160, 0.7770,
13.4570

■ 29.9620, -31.2270,
20.7810

■ 29.9620, -31.2270,
20.7810

■ 21.6890, -34.7120,
23.3680

■ 38.2350, -27.7420,
18.1940

■ 19.6180, -35.9500,
23.7780

■ 45.9210, -23.9820,
16.1300

■ 54.1940, -20.4970,
13.5430

■ 61.8800, -16.7370,
11.4790

■ 70.1530, -13.2520,
8.8920

■ 78.4260, -9.7670,
6.3050

■ 86.1120, -6.0070,
4.2410

■ 94.3850, -2.5220,
1.6540

■ 102.6580, 0.9630,
-0.9330

Harmonies

Analogous

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



36.6070, -46.5850, 12.7670



29.9620, -31.2270, 20.7810



30.9320, 22.1840, 38.5040

Triad

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



29.9620, -31.2270, 20.7810



30.3330, 38.7870, 7.4190



32.6390, -24.3890, -15.0530

Complementary

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



29.9620, -31.2270, 20.7810



83.0380, 31.2270, -20.7810

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.



27.5890, -12.9250, -24.5810



29.9620, -31.2270, 20.7810



33.4130, 17.4700, -8.2420

Square

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



29.9620, -31.2270, 20.7810



26.9100, 53.6400, 19.0800



25.5400, -11.2290, -22.2770



36.8570, -36.2660, -3.5460

Rectangle

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



29.9620, -31.2270, 20.7810



32.4960, 37.9110, 34.3190



25.5400, -11.2290, -22.2770



31.1570, -20.2160, -19.0960

Sweetspot

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



29.9620, -31.2270, 20.7810



102.8110, -12.2890, 7.9590



72.5050, -47.6790, -22.4870



50.0410, -7.2450, 4.6510



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



29.9620, -31.2270, 20.7810



25.3860, -46.6800, 31.0160



31.8880, -10.0470, 33.4170



47.1570, -1.8800, 1.0320



22.5020, -41.3150, 27.3970



46.9590, -86.7570, 58.0030

Inverse Universe

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



40.3810, 48.0000, 22.1760



40.9220, 71.7020, 33.1580



81.1120, 10.0470, -33.4170



47.6090, 2.6590, 1.3710



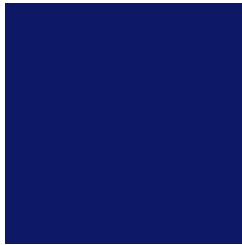
36.2090, 63.4040, 29.3560



76.1200, 133.6390, 61.5670

Previews

White Background



This preview shows how the YIQ color 29.9620, -31.2270, 20.7810 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



This preview shows how the YIQ color 29.9620, -31.2270, 20.7810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

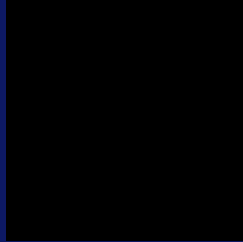
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 29.9620, -31.2270, 20.7810

Background



This preview shows how black text looks on a background with the YIQ color 29.9620, -31.2270, 20.7810.



This preview shows how white text looks on a background with the YIQ color 29.9620, -31.2270,

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

29.9620, -31.2270, 20.7810

Protanopia

28.9810, -33.3790, 4.7090

Deuteranopia

28.9010, -30.3980, 0.2420



Tritanopia

28.3820, -24.8030, -7.5470

Trichromacy



Original Color

29.9620, -31.2270, 20.7810

Protanomaly

29.1540, -32.1880, 10.6600

Deuteranomaly

29.5300, -30.4910, 7.4370

Tritanomaly

29.3360, -27.1890, 2.6590

Monochromacy



Original Color

29.9620, -31.2270, 20.7810

Achromatopsia

30.0000, -0.0000, -0.0000

Achromatomaly

29.8820, -11.0510, 7.5490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 29.9620, -31.2270, 20.7810 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(13, 25, 100)` looks like.

```
.text, #text, p{  
    color:rgb(13, 25, 100)  
}
```

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(13, 25, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 25, 100) }
```

Border

The CSS property to change the border of an element to YIQ 29.9620, -31.2270, 20.7810 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(13, 25, 100) }
```


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

```
.border{ border-color:rgb(13, 25, 100) }
```

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

Here you see how a box with a 4 pixel rgb(13, 25, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 25, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 25, 100);  
box-shadow:4px 4px 4px 4px rgb(13, 25,  
100) }
```

Background

The CSS property to change the background color of an element to YIQ 29.9620, -31.2270, 20.7810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 25, 100) }
```

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

```
.background{ background-color: rgb(13, 25,  
100) }
```

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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