

Converting Colors

YIQ(28.1130, -32.9700, 24.8380)

Have a look what the booklet for
YIQ(28.1130, -32.9700, 24.8380)
contains.

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Color

**YIQ(28.1130, -32.9700,
24.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	0C156B
RGB	12, 21, 107
RGB Percent	5%, 8%, 42%
CMY	0.9529, 0.9176, 0.5806
CMYK	0.89, 0.80, 0.00, 0.58
HSL	234°, 80%, 23%
HSV	234°, 89%, 42%
XYZ	3.0712, 1.6752, 14.0575
YIQ	28.1130, -32.9700, 24.8380

Conversions

Conversions Part 2

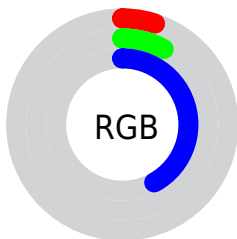
Format	Color
R_{YB}	12, 20, 107
Decimal	791915
CIE _{Lab}	13.68, 31.32, -49.91
CIE _{LCh}	14, 58.922, 302.109
Yxy	1.6752, 0.1633, 0.0891
Android (android.graphics.Color)	4278981995 (0xFF0C156B)
YUV	28.1130, 38.8913, -14.1311
Hunter-Lab	12.9429, 19.7056, -55.3361

Details

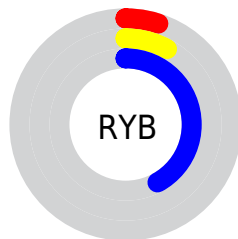
The YIQ color **28.1130, -32.9700, 24.8380** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **90.8870, 32.9700, -24.8380**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **79.3040, -23.0220, 31.7780**, and **7.7860, -19.1680, 16.9920** is the 20% darker color. If you saturate the color by 10%, you get **18.9540, -36.7760, 27.7360**, and if you desaturate by 10%, it is **37.2720, -29.1640, 21.9400**.

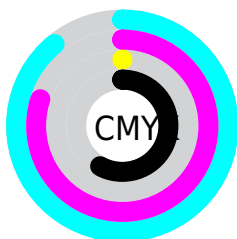
Distribution



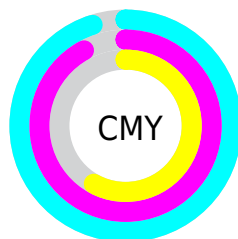
- Red (5%)
- Green (8%)
- Blue (42%)



- Red (5%)
- Yellow (8%)
- Blue (42%)



- Cyan (89%)
- Magenta (80%)
- Yellow (0%)
- Black (58%)



- Cyan (95%)
- Magenta (92%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 28.1130, -32.9700, 24.8380 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 28.1130, -32.9700, 24.8380 by changing the saturation by 10% instead.

■ 28.1130, -32.9700,
24.8380

■ 28.1130, -32.9700,
24.8380

■ 251.4780, 1.6500,
3.1380

■ 9.3480, -26.3220,
25.5020

■ 79.3040, -23.0220,
31.7780

■ 7.7860, -19.1680,
16.9920

■ 104.3690,
-21.6470, 34.3930

■ 5.2780, -12.1060,
10.1500

■ 130.3090,
-21.4180, 35.7500

■ 1.2540, -3.5310,
3.4210

■ 157.2490,
-21.1890, 37.1070

■ 0.0000, 0.0000,
0.0000

■ 182.4360,
-14.5860, 33.0780

■ 207.5430, -5.0020,

24.5820

■ 232.0630, 4.8570,
16.6090

■ 28.1130, -32.9700,
24.8380

■ 28.1130, -32.9700,
24.8380

■ 18.9540, -36.7760,
27.7360

■ 37.2720, -29.1640,
21.9400

■ 18.0680, -37.0970,
28.0470

■ 45.5450, -25.6790,
19.3530

■ 54.7040, -21.8730,
16.4550

■ 63.8630, -18.0670,
13.5570

■ 72.1360, -14.5820,
10.9700

■ 81.2950, -10.7760,
8.0720

■ 90.4540, -6.9700,
5.1740

■ 99.0260, -2.8890,
2.7990

■ 107.8860, 0.3210,
-0.3110

Harmonies

Analogous

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



38.3340, -50.0700, 15.3540



28.1130, -32.9700, 24.8380



32.9540, 25.1180, 40.3980

Triad

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



28.1130, -32.9700, 24.8380



28.8710, 40.2080, 9.2000



33.5680, -25.6270, -14.6430

Complementary

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



28.1130, -32.9700, 24.8380



90.8870, 32.9700, -24.8380

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.



28.1760, -13.2000, -25.1040



28.1130, -32.9700, 24.8380



33.1030, 15.4070, -9.4010

Square

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



28.1130, -32.9700, 24.8380



28.1060, 56.0240, 19.9280



25.8280, -12.1000, -23.0120



38.3560, -39.1090, -1.5810

Rectangle

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



28.1130, -32.9700, 24.8380



34.4750, 42.4040, 35.4920



25.8280, -12.1000, -23.0120



31.8580, -20.8120, -19.3080

Sweetspot

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



28.1130, -32.9700, 24.8380



108.6800, -13.2980, 9.7260



77.4550, -53.4100, -23.2500



52.6820, -7.6120, 5.7960



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



28.1130, -32.9700, 24.8380



23.5910, -48.5150, 36.7410



34.1920, -7.8470, 37.6010



49.2710, -2.2010, 1.3430



19.7950, -40.5820, 30.6340



41.4310, -84.9700, 64.1660

Inverse Universe

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



41.4310, 53.7310, 22.9390



43.3420, 79.2670, 33.7230



84.8080, 7.8470, -37.6010



49.9080, 3.2550, 1.5830



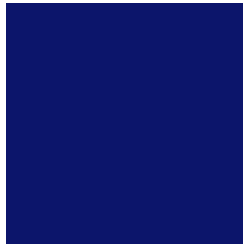
36.2370, 66.2010, 28.2250



75.8770, 138.6370, 59.0930

Previews

White Background



This preview shows how the YIQ color 28.1130, -32.9700, 24.8380 looks on a white background.

Color Contrast Check

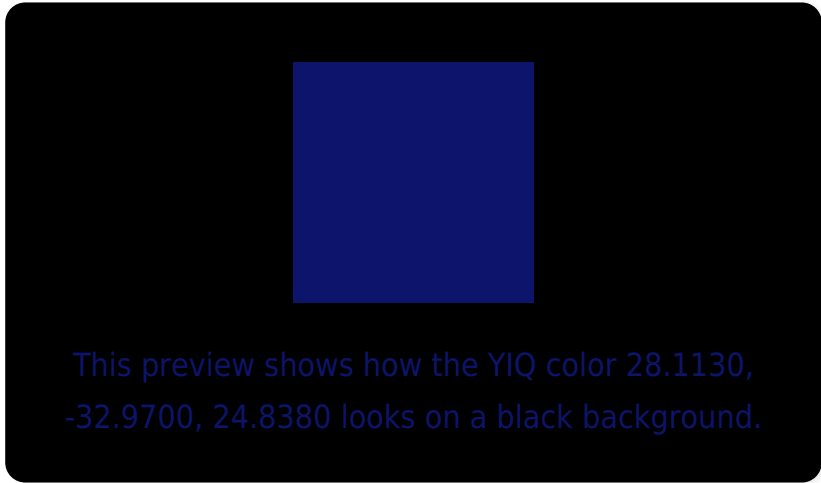
Large Text (above 18pt) WCAG AA ✓ Pass

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

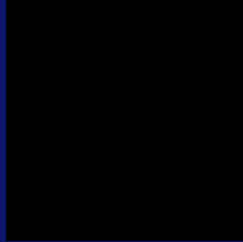
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 28.1130, -32.9700, 24.8380

Background



This preview shows how black text looks on a background with the YIQ color 28.1130, -32.9700, 24.8380.



This preview shows how white text looks on a background with the YIQ color 28.1130, -32.9700,

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

28.1130, -32.9700, 24.8380

Protanopia

28.9810, -33.3790, 4.7090

Deuteranopia

29.4880, -30.6730, -0.2810



Tritanopia

28.8550, -24.7570, -8.3810

Trichromacy



Original Color

28.1130, -32.9700, 24.8380

Protanomaly

28.6100, -33.4720, 11.9040

Deuteranomaly

28.9860, -31.7750, 8.6810

Tritanomaly

28.6780, -28.1520, 3.5920

Monochromacy



Original Color

28.1130, -32.9700, 24.8380

Achromatopsia

28.0000, -0.0000, 0.0000

Achromatomaly

27.7510, -12.0600, 9.3160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 28.1130, -32.9700, 24.8380 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(12, 21, 107)` looks like.

```
.text, #text, p{  
    color:rgb(12, 21, 107)  
}
```

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(12, 21, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 21, 107) }
```

Border

The CSS property to change the border of an element to YIQ 28.1130, -32.9700, 24.8380 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(12, 21, 107) }
```


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

```
.border{ border-color:rgb(12, 21, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 21, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 21, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 21, 107);  
box-shadow:4px 4px 4px 4px rgb(12, 21,  
107) }
```

Background

The CSS property to change the background color of an element to YIQ 28.1130, -32.9700, 24.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 21, 107) }
```

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

```
.background{ background-color: rgb(12, 21,  
107) }
```

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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