

Converting Colors

YIQ(82.8250, 126.0790, 33.3670)

Have a look what the booklet for
YIQ(82.8250, 126.0790, 33.3670)
contains.

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Color

**YIQ(82.8250, 126.0790,
33.3670)**

Conversions

Conversions Part 1

Format	Color
Hex	E01B00
RGB	224, 27, 0
RGB Percent	88%, 11%, 0%
CMY	0.1211, 0.8943, 0.9995
CMYK	0.00, 0.88, 1.00, 0.12
HSL	7°, 100%, 44%
HSV	7°, 100%, 88%
XYZ	31.1670, 16.6461, 1.5741
YIQ	82.8250, 126.0790, 33.3670

Conversions

Conversions Part 2

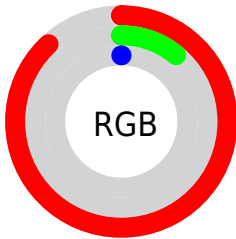
Format	Color
R_{YB}	224, 31, 0
Decimal	14686976
CIE _{Lab}	47.81, 69.74, 61.30
CIE _{LCh}	48, 92.852, 41.312
Yxy	16.6461, 0.6311, 0.3371
Android (android.graphics.Color)	4292877056 (0xFFE01B00)
YUV	82.8250, -40.8327, 123.8105
Hunter-Lab	40.7996, 64.9575, 26.2722

Details

The YIQ color **82.8250, 126.0790, 33.3670** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **141.1750, -126.0790, -33.3670**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **140.1550, 107.0540, 20.2220**, and **47.2420, 94.1680, 33.4960** is the 20% darker color. If you saturate the color by 10%, you get **82.8250, 126.0790, 33.3670**, and if you desaturate by 10%, it is **97.1870, 113.1960, 30.0600**.

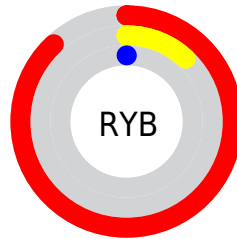
Distribution



Red (88%)

Green (11%)

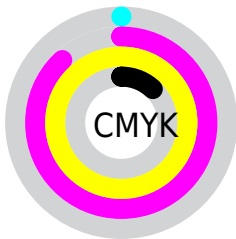
Blue (0%)



Red (88%)

Yellow (12%)

Blue (0%)

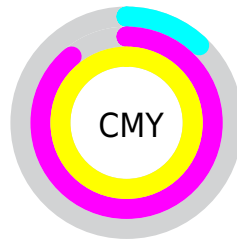


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 82.8250, 126.0790, 33.3670 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 82.8250, 126.0790, 33.3670 by changing the saturation by 10% instead.


 82.8250, 126.0790,
33.3670


 82.8250, 126.0790,
33.3670


 253.8600, 3.2100,
-3.1100


 57.1090, 113.8360,
40.4920


 140.1550,
107.0540, 20.2220


 47.2420, 94.1680,
33.4960


 160.0280, 91.0540,
12.8300

 37.6740, 75.0960,
26.7120


 180.0150, 74.7330,
5.7490

 28.2200, 55.7030,
20.2390

 200.5890, 58.1370,
-1.8550

 19.7770, 37.7770,
14.7130

 220.6900, 41.4950,
-8.6250

 9.3830, 18.1550,
6.8830


 241.4920, 24.2570,


 0.0000, 0.0000,


-15.6070


0.0000


 250.5540, 12.5190,
-12.1290


 82.8250, 126.0790,
33.3670

 97.1870, 113.1960,
30.0600

 110.8480,
100.9090, 26.9650

 125.0960, 88.3470,
23.3470

 139.4580, 75.4640,
20.0400

 153.7060, 62.9020,
16.4220

■ 167.4810, 50.2940,
13.6380

■ 181.7290, 37.7320,
10.0200

■ 195.9770, 25.1700,
6.4020

■ 210.3390, 12.2870,
3.0950

Harmonies

Analogous

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



82.9880, 117.1760, 79.0960



82.8250, 126.0790, 33.3670



106.3400, 80.4670, -10.0690

Triad

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



82.8250, 126.0790, 33.3670



89.4930, -57.7140, -55.3940



96.5750, -113.4800, 19.1600

Complementary

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



82.8250, 126.0790, 33.3670



141.1750, -126.0790, -33.3670

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.



108.9020, -119.2550, 8.1770



82.8250, 126.0790, 33.3670



100.7160, -85.1820, -31.1500

Square

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



82.8250, 126.0790, 33.3670



79.2450, -37.1250, -70.6050



109.2660, -109.2570, -7.8250



112.4800, -7.5770, 65.7590

Rectangle

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



82.8250, 126.0790, 33.3670



106.4080, 50.2560, -29.7440



109.2660, -109.2570, -7.8250



101.8580, -115.9550, 14.4530

Sweetspot

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



82.8250, 126.0790, 33.3670



207.0070, 42.8210, 11.4050



89.5480, 69.9460, 109.0660



98.6890, 26.0410, 7.1370



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



82.8250, 126.0790, 33.3670



94.4420, 143.4550, 37.8470



147.9820, 95.5540, -24.6860



104.8760, 6.2810, 1.8090



64.9510, 99.1210, 26.3290



17.8740, 26.9580, 7.0380

Inverse Universe

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



141.1750, -126.0790, -33.3670



160.5580, -143.4550, -37.8470



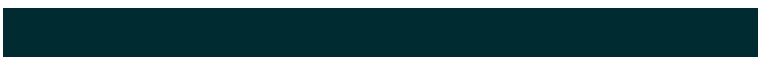
76.0180, -95.5540, 24.6860



108.1240, -6.2810, -1.8090



111.0490, -99.1210, -26.3290



30.7130, -27.2330, -7.5610

Previews

White Background



This preview shows how the YIQ color 82.8250, 126.0790, 33.3670 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 × Fail

Black Background



This preview shows how the YIQ color 82.8250, 126.0790, 33.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 82.8250, 126.0790, 33.3670

Background



This preview shows how black text looks on a background with the YIQ color 82.8250, 126.0790, 33.3670.



This preview shows how white text looks on a background with the YIQ color 82.8250, 126.0790,

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

82.8250, 126.0790, 33.3670

Protanopia

109.2680, 36.2710, -24.0890

Deuteranopia

107.0390, 55.8490, -26.4790



Tritanopia

84.5180, 119.9340, 40.1100

Trichromacy



Original Color

82.8250, 126.0790, 33.3670

Protanomaly

99.8090, 69.1410, -3.0430

Deuteranomaly

98.1000, 81.3830, -4.6410

Tritanomaly

83.7200, 122.1810, 37.9330

Monochromacy



Original Color

82.8250, 126.0790, 33.3670

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

83.0890, 45.5260, 11.9420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.8250, 126.0790, 33.3670 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(224, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 27, 0)  
}
```

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(224, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 27, 0) }
```

Border

The CSS property to change the border of an element to YIQ 82.8250, 126.0790, 33.3670 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(224, 27, 0) }
```


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

```
.border{ border-color:rgb(224, 27, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 27, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 27, 0)  
}
```

Background

The CSS property to change the background color of an element to YIQ 82.8250, 126.0790, 33.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 27, 0) }
```

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

```
.background{ background-color: rgb(224, 27,  
0) }
```

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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