

Converting Colors

YIQ(186.4270, 37.7950,
-84.7730)

Have a look what the booklet for
YIQ(186.4270, 37.7950, -84.7730)
contains.

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Color

**YIQ(186.4270, 37.7950,
-84.7730)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE700
RGB	170, 231, 0
RGB Percent	67%, 91%, 0%
CMY	0.3336, 0.0940, 0.9995
CMYK	0.26, 0.00, 1.00, 0.09
HSL	76°, 100%, 45%
HSV	76°, 100%, 91%
XYZ	45.1450, 65.7039, 10.3051
YIQ	186.4270, 37.7950, -84.7730

Conversions

Conversions Part 2

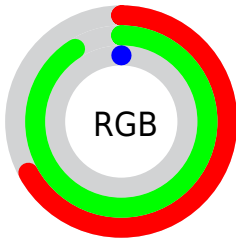
Format	Color
RYB	0, 231, 61
Decimal	11200256
CIELab	84.85, -44.56, 82.73
CIELCh	85, 93.965, 118.309
Yxy	65.7039, 0.3726, 0.5423
Android (android.graphics.Color)	4289390336 (0xFFAAE700)
YUV	186.4270, -91.9085, -14.4065
Hunter-Lab	81.0579, -42.4362, 49.2028

Details

The YIQ color **186.4270, 37.7950, -84.7730** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **44.5730, -37.7950, 84.7730**, and the grayscale version is **187.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **228.6010, 38.3860, -56.9260**, and **135.9140, 18.0310, -67.9930** is the 20% darker color. If you saturate the color by 10%, you get **186.4270, 37.7950, -84.7730**, and if you desaturate by 10%, it is **190.8430, 33.9880, -76.3480**.

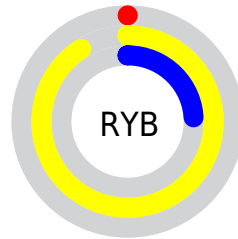
Distribution



Red (67%)

Green (91%)

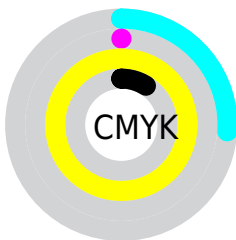
Blue (0%)



Red (0%)

Yellow (91%)

Blue (24%)

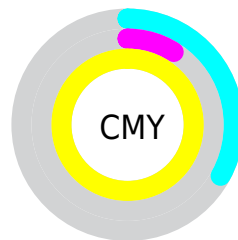


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (33%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 186.4270, 37.7950, -84.7730 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 186.4270, 37.7950, -84.7730 by changing the saturation by 10% instead.

186.4270, 37.7950,
-84.7730

186.4270, 37.7950,
-84.7730

255.0000, -0.0000,
-0.0000

161.0210, 27.6150,
-76.4890

228.6010, 38.3860,
-56.9260

135.9140, 18.0310,
-67.9930

239.4960, 43.6560,
-42.2960

111.0950, 7.5760,
-60.2320

242.9160, 34.0260,
-32.9660

86.5640, -3.7500,
-53.2060

246.3360, 24.3960,
-23.6360

58.7330, -23.0990,
-49.4590

249.6420, 15.0870,
-14.6170

42.2640, -19.8000,
-37.6560

253.0620, 5.4570,

28.7630, -13.4750,

-5.2870

-25.6270

■ 15.2620, -7.1500,
-13.5980

■ 0.0000, 0.0000,
0.0000

■ 186.4270, 37.7950,
-84.7730

■ 190.8430, 33.9880,
-76.3480

■ 195.2590, 30.1810,
-67.9230

■ 199.6750, 26.3740,
-59.4980

■ 204.2050, 22.2460,
-50.7620

■ 208.6210, 18.4390,
-42.3370

■ 213.3360, 15.2280,
-33.7000

■ 217.7520, 11.4210,
-25.2750

■ 222.1680, 7.6140,
-16.8500

■ 226.5840, 3.8070,
-8.4250

Harmonies

Analogous

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



197.1670, 95.3300, -53.6780



186.4270, 37.7950, -84.7730



156.5830, -103.3270, -93.3030

Triad

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



186.4270, 37.7950, -84.7730



172.2980, -148.9550, -48.3070



169.5310, 49.1390, 62.1230

Complementary

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



186.4270, 37.7950, -84.7730



44.5730, -37.7950, 84.7730

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.



191.6040, 29.7000, 56.4840



186.4270, 37.7950, -84.7730



160.5580, -143.4550, -37.8470

Square

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



186.4270, 37.7950, -84.7730



176.9940, -151.1550, -52.4910



199.5030, -16.6930, 21.6990



167.7170, 73.5370, 27.4330

Rectangle

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



186.4270, 37.7950, -84.7730



166.4720, -124.2830, -76.9470



199.5030, -16.6930, 21.6990



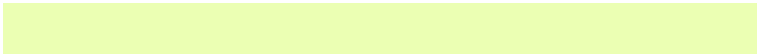
177.0600, 37.5840, 67.7920

Sweetspot

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



186.4270, 37.7950, -84.7730



240.3560, 12.4760, -27.8760



103.1150, 121.7260, 18.6380



118.8690, 7.0180, -17.0620



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.



186.4270, 37.7950, -84.7730



205.8970, 41.9230, -93.5090



152.9390, -28.9570, -108.5170



112.7350, 2.0640, -4.3680



144.2420, 28.8510, -65.8450



41.2990, 8.6230, -18.6170

Inverse Universe

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



44.5730, -37.7950, 84.7730



49.1030, -41.9230, 93.5090



78.0610, 28.9570, 108.5170



105.2650, -2.0640, 4.3680



34.4590, -29.4470, 65.6330



9.7010, -8.6230, 18.6170

Previews

White Background



This preview shows how the YIQ color 186.4270, 37.7950, -84.7730 looks on a white 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

Black Background



This preview shows how the YIQ color 186.4270, 37.7950, -84.7730 looks on a black 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

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

YIQ 186.4270, 37.7950, -84.7730

Background



This preview shows how black text looks on a background with the YIQ color 186.4270, 37.7950, -84.7730.



This preview shows how white text looks on a background with the YIQ color 186.4270, 37.7950, -84.7730.

-84.7730.

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

186.4270, 37.7950, -84.7730

Protanopia

195.6060, 83.5480, -60.4200

Deuteranopia

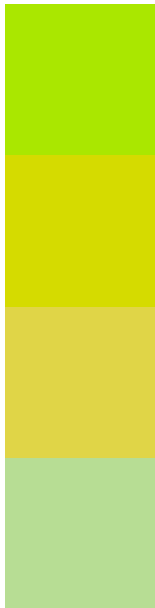
208.0600, 60.5240, -17.5880



Tritanopia

209.7620, -19.7610, 0.1990

Trichromacy



Original Color

186.4270, 37.7950, -84.7730

Protanomaly

192.2400, 66.7230, -69.3810

Deuteranomaly

200.1010, 52.1380, -41.8300

Tritanomaly

201.3160, 0.7850, -30.7590

Monochromacy



Original Color

186.4270, 37.7950, -84.7730

Achromatopsia

186.0000, -0.0000, -0.0000

Achromatomaly

185.8460, 13.8520, -30.7880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 186.4270, 37.7950, -84.7730 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(170, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 231, 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(170, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 231, 0) }
```

Border

The CSS property to change the border of an element to YIQ 186.4270, 37.7950, -84.7730 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(170, 231, 0) }
```


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

```
.border{ border-color:rgb(170, 231, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 231, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 231,  
0) }
```

Background

The CSS property to change the background color of an element to YIQ 186.4270, 37.7950, -84.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 231, 0) }
```

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

```
.background{ background-color: rgb(170,  
231, 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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