

Converting Colors

YIQ(103.5730, -83.6350,
34.4530)

Have a look what the booklet for
YIQ(103.5730, -83.6350, 34.4530)
contains.

YIQ(103.5730, -83.6350, 34.4530)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(103.5730, -83.6350,
34.4530)**

Conversions

Conversions Part 1

Format	Color
Hex	2D68FF
RGB	45, 104, 255
RGB Percent	18%, 41%, 100%
CMY	0.8235, 0.5921, 0.0004
CMYK	0.82, 0.59, 0.00, 0.00
HSL	223°, 100%, 59%
HSV	223°, 82%, 100%
XYZ	24.0661, 17.6760, 96.6545
YIQ	103.5730, -83.6350, 34.4530

Conversions

Conversions Part 2

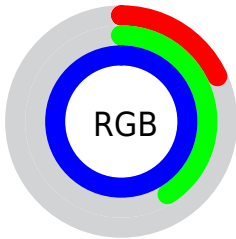
Format	Color
R _Y B	45, 91, 255
Decimal	2975999
CIE Lab	49.10, 35.71, -79.97
CIE LCh	49, 87.583, 294.064
Yxy	17.6760, 0.1739, 0.1277
Android (android.graphics.Color)	4281166079 (0xFF2D68FF)
YUV	103.5730, 74.6535, -51.3685
Hunter-Lab	42.0428, 28.6019, -106.8752

Details

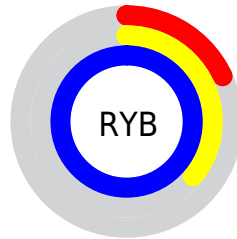
The YIQ color **103.5730, -83.6350, 34.4530** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed azure. A complement of this color would be **196.4270, 83.6350, -34.4530**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **157.7290, -49.3840, 24.9520**, and **56.5040, -79.1870, 30.9330** is the 20% darker color. If you saturate the color by 10%, you get **85.5320, -93.5850, 38.5670**, and if you desaturate by 10%, it is **121.6140, -73.6850, 30.3390**.

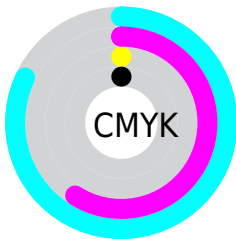
Distribution



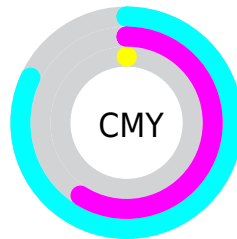
- Red (18%)
- Green (41%)
- Blue (100%)



- Red (18%)
- Yellow (36%)
- Blue (100%)



- Cyan (82%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 103.5730, -83.6350, 34.4530 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 103.5730, -83.6350, 34.4530 by changing the saturation by 10% instead.

■ 103.5730,
-83.6350, 34.4530

■ 103.5730,
-83.6350, 34.4530

■ 255.0000, -0.0000,
-0.0000

■ 72.7240, -94.5460,
28.4460

■ 157.7290,
-49.3840, 24.9520

■ 56.5040, -79.1870,
30.9330

■ 182.8580,
-36.8660, 18.3500

■ 41.5720, -64.6990,
32.6850

■ 209.1610,
-24.8980, 10.7020

■ 28.5150, -51.3570,
33.1790

■ 234.8660,
-14.1220, 2.6300

■ 13.1100, -36.9150,
35.7650

■ 17.7770, -32.1440,
20.8800

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,
11.4930

■ 2.8670, -6.6950,
5.6970

■ 103.5730,
-83.6350, 34.4530

■ 103.5730,
-83.6350, 34.4530

■ 85.5320, -93.5850,
38.5670

■ 121.6140,
-73.6850, 30.3390

■ 71.3340,
-101.6550, 41.6490

■ 140.5410,
-63.4140, 25.9140

■ 158.5820,
-53.4640, 21.8000

■ 176.9220,
-42.9180, 17.8980

■ 195.5500,
-33.2430, 13.2610

■ 213.8900,
-22.6970, 9.3590

■ 231.9310,
-12.7470, 5.2450

■ 250.8580, -2.4760,
0.8200

■ 255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



105.9670, -117.8800, 10.7920



103.5730, -83.6350, 34.4530



111.2800, 31.3930, 75.3690

Triad

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



103.5730, -83.6350, 34.4530



103.5700, 103.8470, 6.7510



96.4010, -71.6540, -45.0460

Complementary

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



103.5730, -83.6350, 34.4530



196.4270, 83.6350, -34.4530

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.



82.8810, -39.0960, -73.4320



103.5730, -83.6350, 34.4530



110.3280, 62.4050, -24.1470

Square

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



103.5730, -83.6350, 34.4530



78.2300, 121.9460, 69.7380



101.4260, 14.3140, -50.1820



106.3530, -96.9210, -22.1450

Rectangle

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



103.5730, -83.6350, 34.4530



85.4010, 83.0610, 97.1490



101.4260, 14.3140, -50.1820



92.8500, -63.0330, -52.6090

Sweetspot

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



103.5730, -83.6350, 34.4530



208.8620, -25.4940, 10.4900



185.3700, -105.9000, -63.1800



99.9030, -15.5440, 6.3760



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.



103.5730, -83.6350, 34.4530



73.4050, -100.4170, 41.2390



82.3950, -40.5900, 74.8500



118.2430, -4.9980, 2.4740



53.4720, -76.1610, 31.1590



17.8620, -25.4940, 10.4900

Inverse Universe

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



114.5160, 106.2210, 62.8690



86.4420, 127.4010, 75.5050



217.3060, 39.9940, -75.0620



119.2290, 6.7850, 3.6890



63.2650, 96.5020, 57.2860



21.1880, 32.3660, 19.1660

Previews

White Background



This preview shows how the YIQ color 103.5730, -83.6350, 34.4530 looks on a white background.

Color Contrast Check

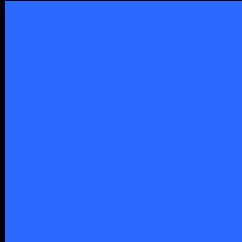
Large Text (above 18pt) WCAG AA ✓ Pass

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 103.5730, -83.6350, 34.4530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

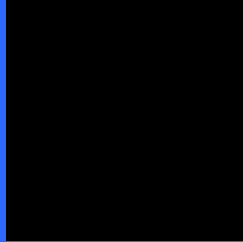
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 103.5730, -83.6350, 34.4530

Background



This preview shows how black text looks on a background with the YIQ color 103.5730, -83.6350, 34.4530.



This preview shows how white text looks on a background with the YIQ color 103.5730, -83.6350, 34.4530.

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

103.5730, -83.6350, 34.4530

Protanopia

92.0610, -106.2810, 15.3430

Deuteranopia

92.9950, -97.8880, 0.8960



Tritanopia

90.7540, -79.1770, -24.3370

Trichromacy



Original Color

103.5730, -83.6350, 34.4530

Protanomaly

95.8820, -98.1670, 22.4810

Deuteranomaly

97.0100, -93.0760, 12.8120

Tritanomaly

95.1570, -80.9690, -2.8650

Monochromacy



Original Color

103.5730, -83.6350, 34.4530

Achromatopsia

104.0000, -0.0000, -0.0000

Achromatomaly

103.9910, -30.1710, 12.6530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 103.5730, -83.6350, 34.4530 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(45, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(45, 104, 255)  
}
```

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(45, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 104, 255) }
```

Border

The CSS property to change the border of an element to YIQ 103.5730, -83.6350, 34.4530 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(45, 104, 255) }
```


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

```
.border{ border-color:rgb(45, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(45, 104,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 103.5730, -83.6350, 34.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 104, 255) }
```

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

```
.background{ background-color: rgb(45, 104,  
255) }
```

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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