

Converting Colors

YIQ(163.6080, -11.6540,
46.0260)

Have a look what the booklet for
YIQ(163.6080, -11.6540, 46.0260)
contains.

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Color

**YIQ(163.6080, -11.6540,
46.0260)**

Conversions

Conversions Part 1

Format	Color
Hex	B589FF
RGB	181, 137, 255
RGB Percent	71%, 54%, 100%
CMY	0.2900, 0.4628, 0.0001
CMYK	0.29, 0.46, 0.00, 0.00
HSL	262°, 100%, 77%
HSV	262°, 46%, 100%
XYZ	46.0541, 34.9331, 98.8936
YIQ	163.6080, -11.6540, 46.0260

Conversions

Conversions Part 2

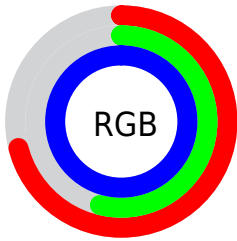
Format	Color
R_{YB}	181, 137, 255
Decimal	11897343
CIE _{Lab}	65.70, 40.58, -52.83
CIE _{LCh}	66, 66.615, 307.526
Yxy	34.9331, 0.2560, 0.1942
Android (android.graphics.Color)	4290087423 (0xFFB589FF)
YUV	163.6080, 45.0563, 15.2528
Hunter-Lab	59.1043, 35.6550, -57.8314

Details

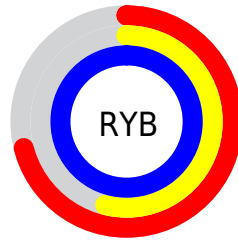
The YIQ color $163.6080, -11.6540, 46.0260$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $228.3920, 11.6540, -46.0260$, and the grayscale version is $163.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $212.6480, 8.0640, 30.0800$, and $110.4290, -12.7080, 43.1000$ is the 20% darker color. If you saturate the color by 10%, you get $143.5620, -14.0400, 56.2320$, and if you desaturate by 10%, it is $183.0670, -8.9930, 36.3430$.

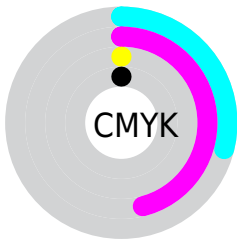
Distribution



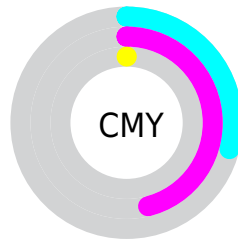
- Red (71%)
- Green (54%)
- Blue (100%)



- Red (71%)
- Yellow (54%)
- Blue (100%)



- Cyan (29%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.6080, -11.6540, 46.0260 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 163.6080, -11.6540, 46.0260 by changing the saturation by 10% instead.

■ 163.6080,
-11.6540, 46.0260

■ 163.6080,
-11.6540, 46.0260

255.0000, -0.0000,
-0.0000

■ 136.6680,
-11.8830, 44.6690

■ 212.6480, 8.0640,
30.0800

■ 110.4290,
-12.7080, 43.1000

■ 233.8680, 9.9000,
18.8280

■ 84.7770, -13.8080,
41.0080

■ 250.8910, 1.9250,
3.6610

■ 59.5380, -14.6330,
39.4390

■ 33.5160, -17.5670,
37.5450

■ 10.3740, -29.2110,
28.3010

■ 7.6380, -21.5070,

20.8370

■ 6.7770, -14.9490,
12.1150

■ 3.0950, -7.3370,
6.3190

■ 163.6080,
-11.6540, 46.0260

■ 163.6080,
-11.6540, 46.0260

■ 143.5620,
-14.0400, 56.2320

■ 183.0670, -8.9930,
36.3430

■ 124.1030,
-16.7010, 65.9150

■ 203.1130, -6.6070,
26.1370

■ 104.0570,
-19.0870, 76.1210

■ 222.5720, -3.9460,
16.4540

■ 84.5980, -21.7480,
85.8040

■ 242.6180, -1.5600,
6.2480

■ 65.1390, -24.4090, 255.0000, -0.0000,
95.4870 -0.0000

■ 57.4750, -25.2350,
99.4450

Harmonies

Analogous

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



135.8250, -103.1610, 2.8470



163.6080, -11.6540, 46.0260



161.4120, 47.8560, 57.8400

Triad

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



163.6080, -11.6540, 46.0260



154.2430, 82.1180, -12.4580



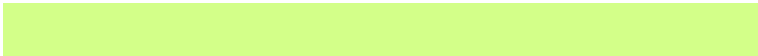
130.0780, -107.2330, -44.5210

Complementary

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



163.6080, -11.6540, 46.0260



228.3920, 11.6540, -46.0260

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.



121.2490, -86.5060, -62.2340



163.6080, -11.6540, 46.0260



149.7700, 54.5680, -41.8160

Square

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



163.6080, -11.6540, 46.0260



154.0100, 91.4650, 21.9050



143.1840, 0.3760, -50.8880



135.5160, -125.3010, -25.4370

Rectangle

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



163.6080, -11.6540, 46.0260



154.5700, 70.5980, 53.1740



143.1840, 0.3760, -50.8880



127.2110, -100.5380, -50.2180

Sweetspot

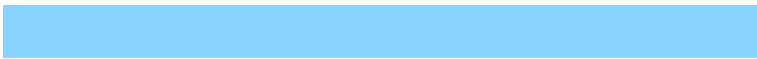
The Sweet Spot groups the original color and five complimentary colors.



163.6080, -11.6540, 46.0260



227.2900, -3.2120, 14.1640



194.4770, -58.5030, -2.5270



110.9000, -2.2940, 8.5380



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.



163.6080, -11.6540, 46.0260



144.4480, -13.7190, 55.9210



180.9500, 22.9140, 58.3220



117.9770, -1.1930, 5.1030



43.0030, -18.9950, 74.4530



14.4720, -6.2400, 24.9920

Inverse Universe

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



180.7180, 46.5740, 48.0300



165.0170, 56.3380, 58.3060



211.0500, -22.9140, -58.3220



119.7990, 5.1800, 5.2440



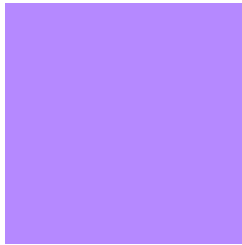
70.7890, 75.3160, 77.8120



23.6960, 25.3040, 26.0080

Previews

White Background



This preview shows how the YIQ color 163.6080, -11.6540, 46.0260 looks on a white background.

Color Contrast Check

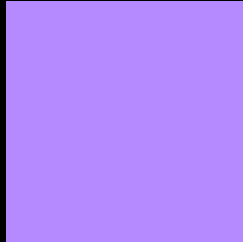
Large Text (above 18pt) WCAG AA × Fail

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 163.6080, -11.6540, 46.0260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

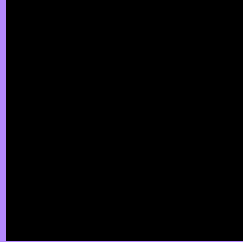
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 163.6080, -11.6540, 46.0260

Background



This preview shows how black text looks on a background with the YIQ color 163.6080, -11.6540, 46.0260.



This preview shows how white text looks on a background with the YIQ color 163.6080, -11.6540,

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

163.6080, -11.6540, 46.0260

Protanopia

157.4080, -52.9140, 22.8460

Deuteranopia

155.6090, -58.0940, 17.6020



Tritanopia

160.7600, 0.9160, 5.4280

Trichromacy



Original Color

163.6080, -11.6540, 46.0260

Protanomaly

159.8770, -37.8770, 31.1710

Deuteranomaly

158.6160, -41.6360, 27.7080

Tritanomaly

161.9790, -3.5340, 20.0020

Monochromacy



Original Color

163.6080, -11.6540, 46.0260

Achromatopsia

164.0000, 0.0000, -0.0000

Achromatomaly

163.6860, -4.2670, 16.7650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.6080, -11.6540, 46.0260 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(181, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 137, 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(181, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 137, 255) }
```

Border

The CSS property to change the border of an element to YIQ 163.6080, -11.6540, 46.0260 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(181, 137, 255) }
```


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

```
.border{ border-color:rgb(181, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 137,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 163.6080, -11.6540, 46.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 137, 255) }
```

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

```
.background{ background-color: rgb(181,  
137, 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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