

Converting Colors

YIQ(168.2310, -12.7510,
27.3530)

Have a look what the booklet for
YIQ(168.2310, -12.7510, 27.3530)
contains.

YIQ(168.2310, -12.7510, 27.3530)	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(168.2310, -12.7510,
27.3530)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9AE5
RGB	173, 154, 229
RGB Percent	68%, 60%, 90%
CMY	0.3215, 0.3961, 0.1021
CMYK	0.24, 0.33, 0.00, 0.10
HSL	255°, 59%, 75%
HSV	255°, 33%, 90%
XYZ	42.9321, 37.6511, 79.1131
YIQ	168.2310, -12.7510, 27.3530

Conversions

Conversions Part 2

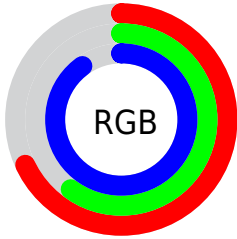
Format	Color
R _Y B	173, 154, 229
Decimal	11377381
CIE Lab	67.76, 22.59, -35.38
CIE LCh	68, 41.978, 302.554
Yxy	37.6511, 0.2688, 0.2358
Android (android.graphics.Color)	4289567461 (0xFFAD9AE5)
YUV	168.2310, 29.9591, 4.1824
Hunter-Lab	61.3605, 17.5100, -33.4912

Details

The YIQ color $168.2310, -12.7510, 27.3530$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $214.7690, 12.7510, -27.3530$, and the grayscale version is $168.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $219.9360, -1.9750, 19.2810$, and $115.7640, -12.9340, 25.1620$ is the 20% darker color. If you saturate the color by 10%, you get $149.6470, -16.5580, 35.7780$, and if you desaturate by 10%, it is $186.8150, -8.9440, 18.9280$.

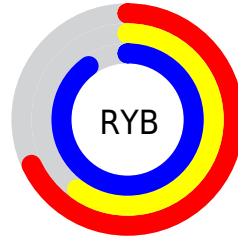
Distribution



Red (68%)

Green (60%)

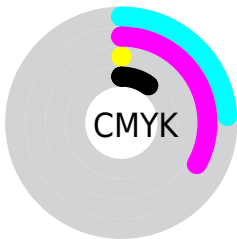
Blue (90%)



Red (68%)

Yellow (60%)

Blue (90%)

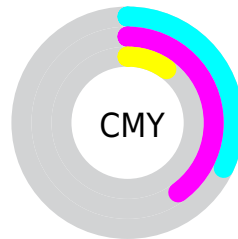


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (10%)



Cyan (32%)

Magenta (40%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 168.2310, -12.7510, 27.3530 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 168.2310, -12.7510, 27.3530 by changing the saturation by 10% instead.

■ 168.2310,
-12.7510, 27.3530

■ 168.2310,
-12.7510, 27.3530

■ 255.0000, -0.0000,
-0.0000

■ 141.7040,
-12.7050, 26.5190

■ 219.9360, -1.9750,
19.2810

■ 115.7640,
-12.9340, 25.1620

■ 244.4340, 4.9500,
9.4140

■ 90.8240, -13.1630,
23.8050

■ 66.8840, -13.3920,
22.4480

■ 43.3460, -14.8130,
20.6670

■ 20.7970, -17.7010,
17.9390

■ 5.4720, -15.4080,

14.9280

■ 3.5510, -8.6210,
7.5630

■ 0.0000, 0.0000,
0.0000

■ 168.2310,
-12.7510, 27.3530

■ 168.2310,
-12.7510, 27.3530

■ 149.6470,
-16.5580, 35.7780

■ 186.8150, -8.9440,
18.9280

■ 131.0630,
-20.3650, 44.2030

■ 205.3990, -5.1370,
10.5030

■ 112.4790,
-24.1720, 52.6280

■ 223.9830, -1.3300,
2.0780

■ 93.8950, -27.9790,
61.0530

■ 242.5670, 2.4770,
-6.3470

■ 75.8980, -32.0610,
68.9550

■ 252.0360, 8.3460,
-8.0860

■ 57.3140, -35.8680,
77.3800

■ 43.4480, -38.9410,
83.5150

Harmonies

Analogous

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



159.1650, -57.0840, 10.3080



168.2310, -12.7510, 27.3530



169.9660, 24.8440, 34.3480

Triad

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



168.2310, -12.7510, 27.3530



164.8060, 56.0280, -2.1800



135.1080, -89.5820, -39.5180

Complementary

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



168.2310, -12.7510, 27.3530



214.7690, 12.7510, -27.3530

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.



151.1410, -32.4550, -34.0790



168.2310, -12.7510, 27.3530



161.9140, 37.5080, -18.9720

Square

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



168.2310, -12.7510, 27.3530



166.2220, 61.3890, 16.3090



157.6650, 7.1120, -29.7840



131.3780, -116.4050, -32.4770

Rectangle

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



168.2310, -12.7510, 27.3530



168.9650, 43.7800, 32.5800



157.6650, 7.1120, -29.7840



142.9060, -65.4660, -36.0420

Sweetspot

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



168.2310, -12.7510, 27.3530



234.6440, -4.4490, 9.0470



195.4220, -39.4750, -5.9630



115.0200, -2.7520, 5.8240



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.



168.2310, -12.7510, 27.3530



174.7610, -16.8790, 36.0890



179.2940, 9.3010, 35.1970



105.2650, -2.0640, 4.3680



33.8610, -30.6390, 65.2090



9.7010, -8.6230, 18.6170

Inverse Universe

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



182.8090, 26.7240, 33.3160



194.0370, 35.2500, 44.0020



203.7060, -9.3010, -35.1970



107.6140, 4.2630, 5.3430



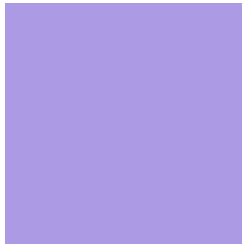
68.6830, 63.9910, 79.3110



19.5810, 18.1980, 22.6300

Previews

White Background



This preview shows how the YIQ color 168.2310, -12.7510, 27.3530 looks on a white background.

Color Contrast Check

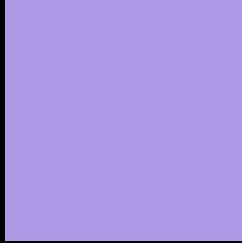
Large Text (above 18pt) WCAG AA × Fail

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 168.2310, -12.7510, 27.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

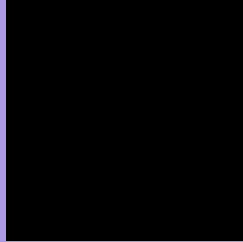
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 168.2310, -12.7510, 27.3530

Background



This preview shows how black text looks on a background with the YIQ color 168.2310, -12.7510, 27.3530.



This preview shows how white text looks on a background with the YIQ color 168.2310, -12.7510,

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

168.2310, -12.7510, 27.3530

Protanopia

165.0430, -35.9490, 18.2510

Deuteranopia

164.9140, -31.2720, 16.0880



Tritanopia

165.1830, -4.7690, 3.8310

Trichromacy



Original Color

168.2310, -12.7510, 27.3530

Protanomaly

166.2290, -27.6050, 21.2190

Deuteranomaly

166.2570, -24.8080, 20.0880

Tritanomaly

166.1970, -7.3840, 12.6800

Monochromacy



Original Color

168.2310, -12.7510, 27.3530

Achromatopsia

168.0000, -0.0000, -0.0000

Achromatomaly

168.1710, -4.4950, 9.8810

CSS Examples

Text

The CSS property to change the color of the text to YIQ 168.2310, -12.7510, 27.3530 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(173, 154, 229)` looks like.

```
.text, #text, p{  
    color:rgb(173, 154, 229)  
}
```

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(173, 154, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 154, 229) }
```

Border

The CSS property to change the border of an element to YIQ 168.2310, -12.7510, 27.3530 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(173, 154, 229) }
```


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

```
.border{ border-color:rgb(173, 154, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 154, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 154, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 154, 229);  
box-shadow:4px 4px 4px 4px rgb(173, 154,  
229) }
```

Background

The CSS property to change the background color of an element to YIQ 168.2310, -12.7510, 27.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 154, 229) }
```

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

```
.background{ background-color: rgb(173,  
154, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor