

Converting Colors

YIQ(186.7700, 22.4600, 33.5000)

Have a look what the booklet for
YIQ(186.7700, 22.4600, 33.5000)
contains.

YIQ(186.7700, 22.4600, 33.5000)	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(186.7700, 22.4600,
33.5000)**

Conversions

Conversions Part 1

Format	Color
Hex	E59FDB
RGB	229, 159, 219
RGB Percent	90%, 62%, 86%
CMY	0.1018, 0.3766, 0.1411
CMYK	0.00, 0.31, 0.04, 0.10
HSL	309°, 57%, 76%
HSV	309°, 31%, 90%
XYZ	57.5104, 46.5678, 72.9827
YIQ	186.7700, 22.4600, 33.5000

Conversions

Conversions Part 2

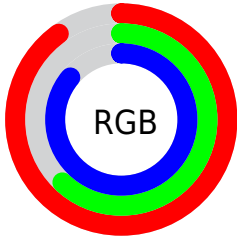
Format	Color
R _{YB}	229, 159, 219
Decimal	15048667
CIE Lab	73.91, 35.35, -20.01
CIE LCh	74, 40.619, 330.486
Yxy	46.5678, 0.3248, 0.2630
Android (android.graphics.Color)	4293238747 (0xFFE59FDB)
YUV	186.7700, 15.8894, 37.0357
Hunter-Lab	68.2406, 31.0114, -15.6417

Details

The YIQ color **186.7700, 22.4600, 33.5000** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **201.2300, -22.4600, -33.5000**, and the grayscale version is **187.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **230.9330, 11.2750, 21.4430**, and **132.6450, 21.3140, 32.2420** is the 20% darker color. If you saturate the color by 10%, you get **172.9270, 29.7480, 44.5960**, and if you desaturate by 10%, it is **200.6130, 15.1720, 22.4040**.

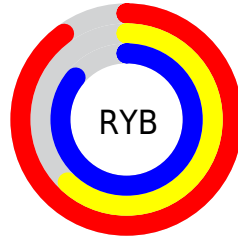
Distribution



Red (90%)

Green (62%)

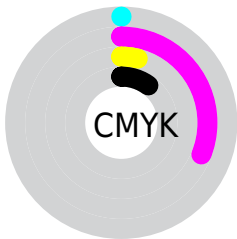
Blue (86%)



Red (90%)

Yellow (62%)

Blue (86%)

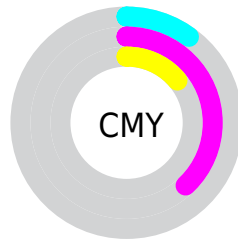


Cyan (0%)

Magenta (31%)

Yellow (4%)

Black (10%)



Cyan (10%)


Magenta (38%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 186.7700, 22.4600, 33.5000 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 186.7700, 22.4600, 33.5000 by changing the saturation by 10% instead.

 186.7700, 22.4600,
33.5000


 186.7700, 22.4600,
33.5000


255.0000, -0.0000,
-0.0000


 159.0580, 21.5890,
32.7650


 230.9330, 11.2750,
21.4430


 132.6450, 21.3140,
32.2420

 247.9560, 3.3000,
6.2760

 106.6340, 19.8470,
31.2950

 81.8080, 19.2970,
30.2490

 56.5090, 18.7010,
30.0370

 30.5630, 18.6090,
31.7050

 18.2430, 13.3380,

22.6020

■ 6.1670, 1.3280,
8.9760

■ 0.0000, 0.0000,
0.0000

■ 186.7700, 22.4600,
33.5000

■ 186.7700, 22.4600,
33.5000

■ 172.9270, 29.7480,
44.5960

■ 200.6130, 15.1720,
22.4040

■ 158.9700, 37.3570,
55.3810

■ 214.5700, 7.5630,
11.6190

■ 145.1270, 44.6450,
66.4770

■ 228.4130, 0.2750,
0.5230

■ 131.2840, 51.9330,
77.5730

■ 242.2560, -7.0130,
-10.5730

■ 117.4410, 59.2210,
88.6690

■ 244.9460, -9.0760,
-11.7320

■ 104.0710, 66.5550,
98.9310

■ 245.4020,
-10.3600, -10.4880

■ 90.8150, 73.5680,
109.5040

■ 245.7440,
-11.3230, -9.5550

■ 246.0860,
-12.2860, -8.6220

■ 246.5420,
-13.5700, -7.3780

Harmonies

Analogous

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



184.9210, -14.8140, 26.1940



186.7700, 22.4600, 33.5000



185.0210, 49.3740, 30.3180

Triad

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



186.7700, 22.4600, 33.5000



179.0390, 38.6540, -17.7140



142.8390, -125.2530, -37.3250

Complementary

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



186.7700, 22.4600, 33.5000



201.2300, -22.4600, -33.5000

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.



158.9530, -72.8480, -34.4160



186.7700, 22.4600, 33.5000



175.2740, 9.7710, -28.4130

Square

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



186.7700, 22.4600, 33.5000



182.0450, 56.8530, -0.6110



169.1200, -27.9620, -32.9060



159.2530, -99.2150, -13.6070

Rectangle

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



186.7700, 22.4600, 33.5000



184.2420, 58.6370, 22.1330



169.1200, -27.9620, -32.9060



147.4510, -109.4810, -36.8170

Sweetspot

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



186.7700, 22.4600, 33.5000



241.1570, 7.2880, 11.0960



169.6710, -17.1060, 23.6780



118.8530, 5.0880, 6.9120



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.



186.7700, 22.4600, 33.5000



198.2260, 30.3440, 44.8080



182.8940, 33.3740, 22.9260



107.7280, 3.9420, 5.6540



70.9630, 57.5710, 85.5310



20.2650, 16.2720, 24.4960

Inverse Universe

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



186.7700, 22.4600, 33.5000



198.2260, 30.3440, 44.8080



205.1060, -33.3740, -22.9260



107.7280, 3.9420, 5.6540



70.9630, 57.5710, 85.5310



20.2650, 16.2720, 24.4960

Previews

White Background



This preview shows how the YIQ color 186.7700, 22.4600, 33.5000 looks on a white background.

Color Contrast Check

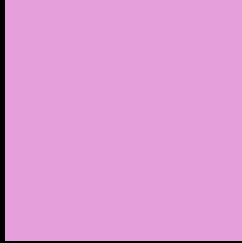
Large Text (above 18pt) WCAG AA × Fail

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 186.7700, 22.4600, 33.5000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

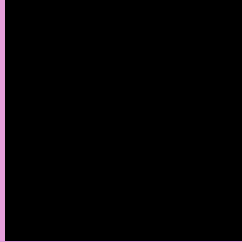
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 186.7700, 22.4600, 33.5000

Background



This preview shows how black text looks on a background with the YIQ color 186.7700, 22.4600, 33.5000.



This preview shows how white text looks on a background with the YIQ color 186.7700, 22.4600,

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

186.7700, 22.4600, 33.5000

Protanopia

182.5680, -24.4860, 14.2500

Deuteranopia

183.8270, -9.2180, 12.8780



Tritanopia

184.8240, 30.3950, 16.3390

Trichromacy



Original Color

186.7700, 22.4600, 33.5000



Protanomaly

183.8800, -7.5690, 21.5430



Deuteranomaly

184.9150, 2.5180, 20.4540



Tritanomaly

185.3710, 27.5970, 22.9970

Monochromacy



Original Color

186.7700, 22.4600, 33.5000



Achromatopsia

187.0000, -0.0000, -0.0000



Achromatomaly

186.9830, 7.8380, 12.1420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 186.7700, 22.4600, 33.5000 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(229, 159, 219)` looks like.

```
.text, #text, p{  
    color:rgb(229, 159, 219)  
}
```

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(229, 159, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 159, 219) }
```

Border

The CSS property to change the border of an element to YIQ 186.7700, 22.4600, 33.5000 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(229, 159, 219) }
```


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

```
.border{ border-color:rgb(229, 159, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 159, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 159, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 159, 219);  
box-shadow:4px 4px 4px 4px rgb(229, 159,  
219) }
```

Background

The CSS property to change the background color of an element to YIQ 186.7700, 22.4600, 33.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 159, 219) }
```

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

```
.background{ background-color: rgb(229,  
159, 219) }
```

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