

Converting Colors

YIQ(120.0820, 31.3500, 59.6220)

Have a look what the booklet for
YIQ(120.0820, 31.3500, 59.6220)
contains.

YIQ(120.0820, 31.3500, 59.6220)	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(120.0820, 31.3500,
59.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	BB49BB
RGB	187, 73, 187
RGB Percent	73%, 29%, 73%
CMY	0.2663, 0.7139, 0.2666
CMYK	0.00, 0.61, 0.00, 0.27
HSL	300°, 46%, 51%
HSV	300°, 61%, 73%
XYZ	31.8649, 18.9229, 48.9919
YIQ	120.0820, 31.3500, 59.6220

Conversions

Conversions Part 2

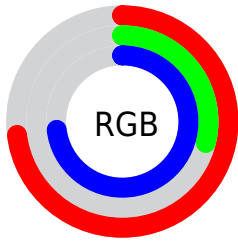
Format	Color
RYB	187, 73, 187
Decimal	12274107
CIELab	50.60, 60.29, -38.43
CIElCh	51, 71.499, 327.483
Yxy	18.9229, 0.3194, 0.1896
Android (android.graphics.Color)	4290464187 (0xFFBB49BB)
YUV	120.0820, 32.9906, 58.6871
Hunter-Lab	43.5004, 54.6289, -36.3244

Details

The YIQ color **120.0820, 31.3500, 59.6220** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **139.9180, -31.3500, -59.6220**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **176.5060, 33.0920, 61.0920**, and **54.3310, 35.3830, 69.1350** is the 20% darker color. If you saturate the color by 10%, you get **108.9290, 36.5750, 69.5590**, and if you desaturate by 10%, it is **131.2350, 26.1250, 49.6850**.

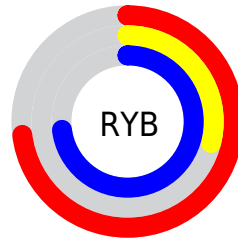
Distribution



Red (73%)

Green (29%)

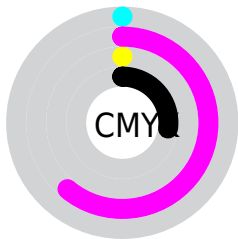
Blue (73%)



Red (73%)

Yellow (29%)

Blue (73%)

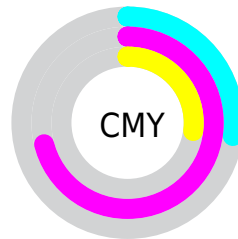


Cyan (0%)

Magenta (61%)

Yellow (0%)

Black (27%)



Cyan (27%)


Magenta (71%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 120.0820, 31.3500, 59.6220 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 120.0820, 31.3500, 59.6220 by changing the saturation by 10% instead.


 120.0820, 31.3500,
59.6220


 120.0820, 31.3500,
59.6220


255.0000, -0.0000,
-0.0000


 91.0220, 31.5790,
60.9790


 176.5060, 33.0920,
61.0920


 54.3310, 35.3830,
69.1350


 196.8870, 27.2250,
51.7770

 43.1090, 26.7200,
55.4240

 213.9100, 19.2500,
36.6100

 32.1860, 18.6530,
41.9250

 230.3460, 11.5500,
21.9660

 22.5730, 12.6490,
29.5850

 247.9560, 3.3000,
6.2760

 10.3830, 0.9600,
15.6480

 1.3680, -3.8520,

3.7320

■ 0.0000, 0.0000,
0.0000

■ 120.0820, 31.3500,
59.6220

■ 120.0820, 31.3500,
59.6220

■ 108.9290, 36.5750,
69.5590

■ 131.2350, 26.1250,
49.6850

■ 98.3630, 41.5250,
78.9730

■ 141.8010, 21.1750,
40.2710

■ 87.2100, 46.7500,
88.9100

■ 152.9540, 15.9500,
30.3340

■ 77.2310, 51.4250,
97.8010

■ 164.1070, 10.7250,
20.3970

■ 175.2600, 5.5000,
10.4600

■ 185.8260, 0.5500,
1.0460

■ 196.9790, -4.6750,
-8.8910

■ 208.1320, -9.9000,
-18.8280

■ 218.6980,
-14.8500, -28.2420

Harmonies

Analogous

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



118.9400, -42.1880, 37.7160



120.0820, 31.3500, 59.6220



106.7980, 79.1240, 63.8600

Triad

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



120.0820, 31.3500, 59.6220



112.9420, 57.5000, -28.8680



106.2390, -96.6000, -22.4560

Complementary

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



120.0820, 31.3500, 59.6220



139.9180, -31.3500, -59.6220

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.



98.5840, -76.4230, -41.2150



120.0820, 31.3500, 59.6220



105.2800, 17.6610, -50.2670

Square

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



120.0820, 31.3500, 59.6220



111.1350, 91.4700, -5.7300



88.9400, -54.7790, -59.0270



108.7760, -110.6330, -4.9130

Rectangle

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



120.0820, 31.3500, 59.6220



105.7820, 93.2480, 50.1760



88.9400, -54.7790, -59.0270



104.0730, -90.5010, -28.3650

Sweetspot

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



120.0820, 31.3500, 59.6220



216.7590, 11.8250, 22.4890



85.9960, -36.5940, 35.4540



106.1510, 7.4250, 14.1210



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



120.0820, 31.3500, 59.6220



138.1010, 48.6750, 92.5710



113.5840, 49.6470, 41.8950



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130

Inverse Universe

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



120.0820, 31.3500, 59.6220



138.1010, 48.6750, 92.5710



146.4160, -49.6470, -41.8950



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130

Previews

White Background



This preview shows how the YIQ color 120.0820, 31.3500, 59.6220 looks on a white background.

Color Contrast Check

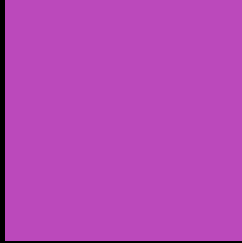
Large Text (above 18pt) WCAG AA ✓ Pass

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 120.0820, 31.3500, 59.6220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

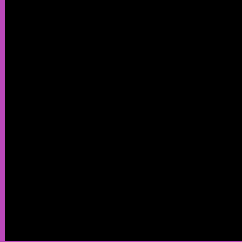
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 120.0820, 31.3500, 59.6220

Background



This preview shows how black text looks on a background with the YIQ color 120.0820, 31.3500, 59.6220.



This preview shows how white text looks on a background with the YIQ color 120.0820, 31.3500,

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

120.0820, 31.3500, 59.6220

Protanopia

113.2090, -68.4110, 22.8610

Deuteranopia

119.2510, -33.8390, 13.0490



Tritanopia

121.7180, 45.4330, 19.1370

Trichromacy



Original Color

120.0820, 31.3500, 59.6220

Protanomaly

115.5620, -32.3760, 36.1040

Deuteranomaly

119.4810, -10.4590, 29.8690

Tritanomaly

121.0510, 40.6620, 34.0220

Monochromacy



Original Color

120.0820, 31.3500, 59.6220

Achromatopsia

120.0000, -0.0000, -0.0000

Achromatomaly

119.9330, 11.2750, 21.4430

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.0820, 31.3500, 59.6220 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(187, 73, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 73, 187)  
}
```

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(187, 73, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 73, 187) }
```

Border

The CSS property to change the border of an element to YIQ 120.0820, 31.3500, 59.6220 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(187, 73, 187) }
```


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

```
.border{ border-color:rgb(187, 73, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 73, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 73, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 73, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 73,  
187) }
```

Background

The CSS property to change the background color of an element to YIQ 120.0820, 31.3500, 59.6220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 73, 187) }
```

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

```
.background{ background-color: rgb(187, 73,  
187) }
```

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