

Converting Colors

YIQ(120.7760, 48.6860, 31.7740)

Have a look what the booklet for
YIQ(120.7760, 48.6860, 31.7740)
contains.

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Color

**YIQ(120.7760, 48.6860,
31.7740)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5779
RGB	187, 87, 121
RGB Percent	73%, 34%, 47%
CMY	0.2664, 0.6590, 0.5253
CMYK	0.00, 0.54, 0.35, 0.27
HSL	340°, 42%, 54%
HSV	340°, 54%, 73%
XYZ	27.3683, 18.7643, 20.2822
YIQ	120.7760, 48.6860, 31.7740

Conversions

Conversions Part 2

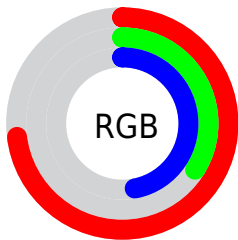
Format	Color
R_{YB}	187, 87, 121
Decimal	12277625
CIE _{Lab}	50.41, 43.92, 0.28
CIE _{LCh}	50, 43.921, 0.364
Yxy	18.7643, 0.4121, 0.2825
Android (android.graphics.Color)	4290467705 (0xFFBB5779)
YUV	120.7760, 0.1104, 58.0784
Hunter-Lab	43.3177, 36.9709, 2.5616

Details

The YIQ color **120.7760, 48.6860, 31.7740** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **153.2240, -48.6860, -31.7740**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **175.4560, 52.5830, 32.7350**, and **67.1500, 44.6970, 32.4810** is the 20% darker color. If you saturate the color by 10%, you get **108.2550, 57.7630, 37.9790**, and if you desaturate by 10%, it is **133.2970, 39.6090, 25.5690**.

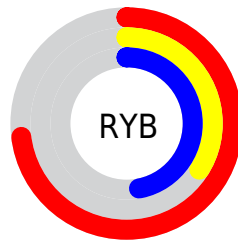
Distribution



Red (73%)

Green (34%)

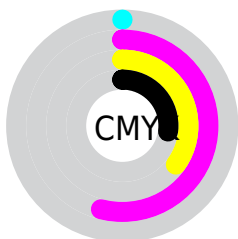
Blue (47%)



Red (73%)

Yellow (34%)

Blue (47%)

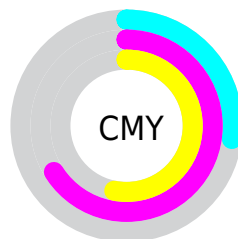


Cyan (0%)

Magenta (54%)

Yellow (35%)

Black (27%)



Cyan (27%)


Magenta (66%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 120.7760, 48.6860, 31.7740 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 120.7760, 48.6860, 31.7740 by changing the saturation by 10% instead.


 120.7760, 48.6860,
31.7740


 120.7760, 48.6860,
31.7740


255.0000, -0.0000,
-0.0000


 93.9930, 46.5770,
31.4490


 175.4560, 52.5830,
32.7350

 67.1500, 44.6970,
32.4810


 197.1880, 41.5340,
29.2300

 36.4970, 45.3380,
37.3860


 216.8160, 24.8460,
23.2940

 26.0300, 35.9870,
25.1310

 236.8030, 8.5250,
16.2130

 16.4880, 31.2210,
12.3810

253.8260, 0.5500,
1.0460

 2.0930, 4.1720,
1.4840

 0.0000, 0.0000,

0.0000

■ 120.7760, 48.6860,
31.7740

■ 120.7760, 48.6860,
31.7740

■ 108.2550, 57.7630,
37.9790

■ 133.2970, 39.6090,
25.5690

■ 96.2070, 66.8860,
43.3500

■ 145.3450, 30.4860,
20.1980

■ 83.6860, 75.9630,
49.5550

■ 157.8660, 21.4090,
13.9930

■ 71.1650, 85.0400,
55.7600

■ 170.3870, 12.3320,
7.7880

■ 63.2090, 90.9080,
59.5480

■ 182.4350, 3.2090,
2.4170

■ 194.9560, -5.8680,
-3.7880

■ 207.4770,
-14.9450, -9.9930

■ 220.1120,
-24.3430, -15.8870

■ 232.0460,
-33.1450, -21.5690

Harmonies

Analogous

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



123.4110, 22.0930, 34.6450



120.7760, 48.6860, 31.7740



118.9060, 59.4630, 18.1750

Triad

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



120.7760, 48.6860, 31.7740



112.4480, 9.2210, -29.4590



99.0470, -95.6390, -12.3350

Complementary

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



120.7760, 48.6860, 31.7740



153.2240, -48.6860, -31.7740

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.



98.9040, -88.3470, -23.3470



120.7760, 48.6860, 31.7740



103.7280, -32.7300, -34.6020

Square

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



120.7760, 48.6860, 31.7740



115.8000, 37.8290, -19.2830



94.5720, -76.1490, -35.1650



106.9780, -72.8550, 4.2730

Rectangle

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



120.7760, 48.6860, 31.7740



118.8050, 57.7690, 4.8170



94.5720, -76.1490, -35.1650



99.4230, -93.9420, -15.5580

Sweetspot

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



120.7760, 48.6860, 31.7740



216.2570, 18.7500, 12.6220



117.8350, 6.6400, 44.8800



106.7890, 11.1400, 7.3640



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.



120.7760, 48.6860, 31.7740



139.3870, 75.3670, 49.3430



125.7050, 55.4750, 13.3550



88.0330, 4.4010, 2.8410



53.3980, 76.8340, 50.2900



10.4090, 15.2660, 9.6820

Inverse Universe

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



120.7760, 48.6860, 31.7740



139.3870, 75.3670, 49.3430



148.2950, -55.4750, -13.3550



88.0330, 4.4010, 2.8410



53.3980, 76.8340, 50.2900



10.4090, 15.2660, 9.6820

Previews

White Background



This preview shows how the YIQ color 120.7760, 48.6860, 31.7740 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 120.7760, 48.6860, 31.7740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

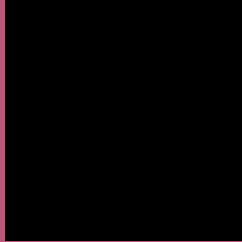
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 120.7760, 48.6860, 31.7740

Background



This preview shows how black text looks on a background with the YIQ color 120.7760, 48.6860, 31.7740.



This preview shows how white text looks on a background with the YIQ color 120.7760, 48.6860,

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

120.7760, 48.6860, 31.7740

Protanopia

121.1980, -9.1250, 5.6830

Deuteranopia

121.3820, 10.7280, 3.8160



Tritanopia

119.9040, 53.7770, 22.1050

Trichromacy



Original Color

120.7760, 48.6860, 31.7740

Protanomaly

121.1300, 11.9180, 15.2940

Deuteranomaly

120.8340, 24.4350, 14.2190

Tritanomaly

120.5280, 52.0800, 25.3280

Monochromacy



Original Color

120.7760, 48.6860, 31.7740

Achromatopsia

121.0000, -0.0000, 0.0000

Achromatomaly

121.1320, 17.6040, 11.3640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.7760, 48.6860, 31.7740 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, 87, 121)` looks like.

```
.text, #text, p{  
    color:rgb(187, 87, 121)  
}
```

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, 87, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 87, 121) }
```

Border

The CSS property to change the border of an element to YIQ 120.7760, 48.6860, 31.7740 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, 87, 121) }
```


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

```
.border{ border-color:rgb(187, 87, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 87, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 87, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 87, 121);  
box-shadow:4px 4px 4px 4px rgb(187, 87,  
121) }
```

Background

The CSS property to change the background color of an element to YIQ 120.7760, 48.6860, 31.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 87, 121) }
```

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

```
.background{ background-color: rgb(187, 87,  
121) }
```

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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