

Converting Colors

$Y_{xy}(26.6712, 0.2911, 0.2188)$

Have a look what the booklet for
Yxy(26.6712, 0.2911, 0.2188)
contains.

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Color

Yxy(26.6158, 0.2906, 0.2186)

Conversions

Conversions Part 1

Format	Color
Hex	B176CB
RGB	177, 118, 203
RGB Percent	69%, 46%, 80%
CMY	0.3060, 0.5372, 0.2040
CMYK	0.13, 0.42, 0.00, 0.20
HSL	282°, 45%, 63%
HSV	282°, 42%, 80%
XYZ	35.3822, 26.6158, 59.7577
YIQ	145.3310, 7.8790, 38.9430

Conversions

Conversions Part 2

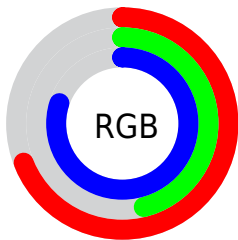
Format	Color
R _Y B	177, 118, 203
Decimal	11630283
CIE Lab	58.62, 38.06, -35.10
CIE LCh	59, 51.770, 317.317
Yxy	26.6158, 0.2906, 0.2186
Android (android.graphics.Color)	4289820363 (0xFFB176CB)
YUV	145.3310, 28.4308, 27.7737
Hunter-Lab	51.5905, 32.1369, -32.5627

Details

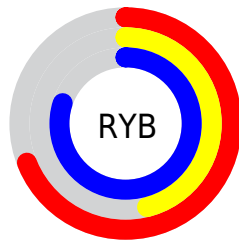
The Yxy color **26.6158, 0.2906, 0.2186** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.9414, 0.3256, 0.4501**, and the grayscale version is **28.3375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8382, 0.2999, 0.2427**, and **10.4833, 0.2818, 0.1896** is the 20% darker color. If you saturate the color by 10%, you get **21.6257, 0.2833, 0.1923**, and if you desaturate by 10%, it is **32.6699, 0.2972, 0.2459**.

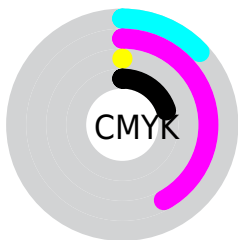
Distribution



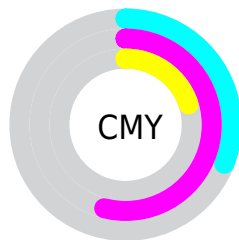
- Red (69%)
- Green (46%)
- Blue (80%)



- Red (69%)
- Yellow (46%)
- Blue (80%)



- Cyan (13%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)





- Cyan (31%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6158, 0.2906, 0.2186 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 Yxy color 26.6158, 0.2906, 0.2186 by changing the saturation by 10% instead.


 26.6158, 0.2906,
0.2186


 26.6158, 0.2906,
0.2186


285.7921, 0.3040,
0.2735


 17.2849, 0.2865,
0.2053


 54.2667, 0.2960,
0.2383

 10.4378, 0.2808,
0.1885


 73.3555, 0.2979,
0.2458

 5.6902, 0.2725,
0.1668


 96.4658, 0.2994,
0.2522

 2.6576, 0.2595,
0.1381

123.9818, 0.3007,
0.2576

 0.9557, 0.2378,
0.0998

156.2881, 0.3017,
0.2624

 0.0000, 0.2080,
0.0000

193.7689, 0.3026,

 0.0000, 0.0000,

0.2665

0.0000

236.8088, 0.3034,
0.2702

■ 26.6158, 0.2906,
0.2186

■ 26.6158, 0.2906,
0.2186

■ 21.6257, 0.2833,
0.1923

■ 32.6699, 0.2972,
0.2459

■ 17.6293, 0.2754,
0.1681

■ 39.8459, 0.3029,
0.2731

■ 14.5528, 0.2671,
0.1472


■ 48.2011, 0.3079,
0.2995

■ 12.3104, 0.2588,
0.1306


■ 57.7883, 0.3120,
0.3245


■ 10.7998, 0.2507,
0.1187


■ 68.6566, 0.3155,
0.3478

 9.9599, 0.2443,
0.1120

 80.8527, 0.3183,
0.3693

 91.1190, 0.3210,
0.3839

 92.1093, 0.3250,
0.3832

 93.1360, 0.3290,
0.3825

Harmonies

Analogous

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



26.6158, 0.2196, 0.2008



26.6158, 0.2906, 0.2186



26.6158, 0.3798, 0.2580

Triad

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



26.6158, 0.2906, 0.2186



26.6158, 0.4589, 0.4350



26.6158, 0.1856, 0.3221

Complementary

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



26.6158, 0.2906, 0.2186



49.9414, 0.3256, 0.4501

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.



26.6158, 0.2378, 0.4177



26.6158, 0.2906, 0.2186



26.6158, 0.3954, 0.4820

Square

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



26.6158, 0.2906, 0.2186



26.6158, 0.4844, 0.3735



26.6158, 0.3147, 0.4831



26.6158, 0.1663, 0.2475

Rectangle

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



26.6158, 0.2906, 0.2186



26.6158, 0.4344, 0.2931



26.6158, 0.3147, 0.4831



26.6158, 0.1994, 0.3535

Sweetspot

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



26.6169, 0.2906, 0.2186



78.7689, 0.3073, 0.2961



28.3918, 0.2420, 0.2422



16.1651, 0.3062, 0.2903



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



26.6169, 0.2906, 0.2186



37.1229, 0.2842, 0.1953



29.2607, 0.3339, 0.2435



11.2248, 0.3090, 0.3058



6.3898, 0.2454, 0.1125



0.3684, 0.2606, 0.1209

Inverse Universe

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



27.6701, 0.3859, 0.2955



39.3408, 0.4100, 0.2890



48.2643, 0.2973, 0.4335



11.2693, 0.3243, 0.3219



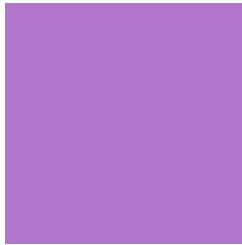
8.3167, 0.5721, 0.2925



0.4427, 0.5155, 0.2613

Previews

White Background



This preview shows how the Yxy color 26.6158, 0.2906, 0.2186 looks on a white background.

Color Contrast Check

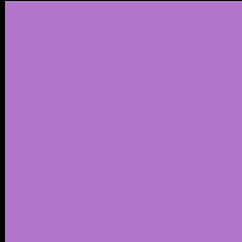
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 26.6158, 0.2906, 0.2186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

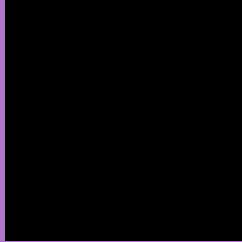
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6158, 0.2906, 0.2186

Background



This preview shows how black text looks on a background with the Yxy color 26.6158, 0.2906, 0.2186.



This preview shows how white text looks on a background with the Yxy color 26.6158, 0.2906, 0.2186.

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

26.6158, 0.2906, 0.2186

Protanopia

27.0121, 0.2258, 0.2125

Deuteranopia

26.9446, 0.2455, 0.2399



Tritanopia

26.5104, 0.3436, 0.3125

Trichromacy



Original Color

26.6158, 0.2906, 0.2186



Protanomaly

26.2385, 0.2448, 0.2123



Deuteranomaly

26.3354, 0.2598, 0.2307



Tritanomaly

26.2600, 0.3232, 0.2742

Monochromacy



Original Color

26.6158, 0.2906, 0.2186



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

27.2492, 0.3052, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6158, 0.2906, 0.2186 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(177, 118, 203)` looks like.

```
.text, #text, p{  
    color:rgb(177, 118, 203)  
}
```

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(177, 118, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 118, 203) }
```

Border

The CSS property to change the border of an element to Yxy 26.6158, 0.2906, 0.2186 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(177, 118, 203) }
```

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

```
.border{ border-color:rgb(177, 118, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 118, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 118, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 118, 203);  
box-shadow:4px 4px 4px 4px rgb(177, 118,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6158, 0.2906, 0.2186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 118, 203) }
```

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

```
.background{ background-color: rgb(177,  
118, 203) }
```

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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