

Converting Colors

$Y_{xy}(32.5669, 0.2602, 0.1840)$

Have a look what the booklet for
Yxy(32.5669, 0.2602, 0.1840)
contains.

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Color

Yxy(32.5786, 0.2603, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	BC7DFF
RGB	188, 125, 255
RGB Percent	74%, 49%, 100%
CMY	0.2629, 0.5097, 0.0000
CMYK	0.26, 0.51, 0.00, 0.00
HSL	269°, 100%, 75%
HSV	269°, 51%, 100%
XYZ	46.1132, 32.5786, 98.4621
YIQ	158.6570, -4.1820, 53.7860

Conversions

Conversions Part 2

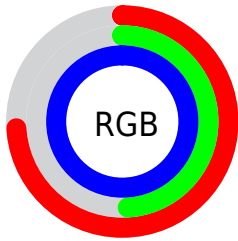
Format	Color
RYB	188, 125, 255
Decimal	12353023
CIELab	63.82, 48.84, -55.79
CIELCh	64, 74.146, 311.202
Yxy	32.5786, 0.2603, 0.1839
Android (android.graphics.Color)	4290543103 (0xFFBC7DFF)
YUV	158.6570, 47.4971, 25.7338
Hunter-Lab	57.0777, 44.3246, -62.3242

Details

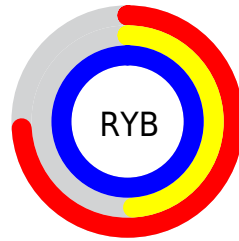
The Yxy color **32.5786, 0.2603, 0.1839** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **84.2150, 0.3442, 0.4735**, and the grayscale version is **34.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2344, 0.3100, 0.2532**, and **13.6676, 0.2424, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **25.3349, 0.2467, 0.1555**, and if you desaturate by 10%, it is **41.6340, 0.2731, 0.2139**.

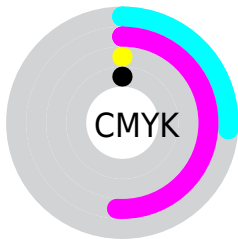
Distribution



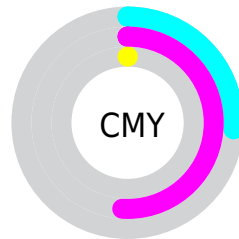
- Red (74%)
- Green (49%)
- Blue (100%)



- Red (74%)
- Yellow (49%)
- Blue (100%)



- Cyan (26%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5786, 0.2603, 0.1839 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 32.5786, 0.2603, 0.1839 by changing the saturation by 10% instead.


 32.5786, 0.2603,
0.1839


 32.5786, 0.2603,
0.1839


313.7466, 0.2891,
0.2506


 21.8038, 0.2527,
0.1693


 63.7171, 0.2711,
0.2066

 13.7128, 0.2430,
0.1519


 84.8495, 0.2751,
0.2156

 7.9212, 0.2299,
0.1308

 110.2034, 0.2784,
0.2234

 4.0446, 0.2121,
0.1053

140.1629, 0.2812,
0.2302

 1.6985, 0.1868,
0.0748

175.1126, 0.2836,
0.2362

 0.4227, 0.1512,
0.0347

215.4369, 0.2857,

 0.0000, 0.0938,

0.2415

0.0000

261.5201, 0.2875,
0.2463

0.0000, 0.0000,
0.0000

32.5786, 0.2603,
0.1839

32.5786, 0.2603,
0.1839

25.3349, 0.2467,
0.1555

41.6340, 0.2731,
0.2139

19.7657, 0.2330,
0.1303

52.6170, 0.2848,
0.2441

15.7193, 0.2196,
0.1098

65.6381, 0.2952,
0.2734

13.0129, 0.2073,
0.0950

80.7980, 0.3043,
0.3011

11.4647, 0.1974,
0.0861

98.1907, 0.3120,
0.3266

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



32.5786, 0.1803, 0.1677



32.5786, 0.2603, 0.1839



32.5786, 0.3754, 0.2263

Triad

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



32.5786, 0.2603, 0.1839



32.5786, 0.5075, 0.4366



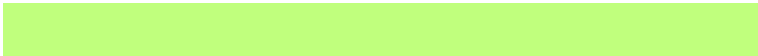
32.5786, 0.1589, 0.3408

Complementary

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



32.5786, 0.2603, 0.1839



84.2150, 0.3442, 0.4735

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.



32.5786, 0.2289, 0.4776



32.5786, 0.2603, 0.1839



32.5786, 0.4287, 0.5128

Square

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



32.5786, 0.2603, 0.1839



32.5786, 0.5358, 0.3592



32.5786, 0.3282, 0.5466



32.5786, 0.1310, 0.2343

Rectangle

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



32.5786, 0.2603, 0.1839



32.5786, 0.4540, 0.2660



32.5786, 0.3282, 0.5466



32.5786, 0.1775, 0.3868

Sweetspot

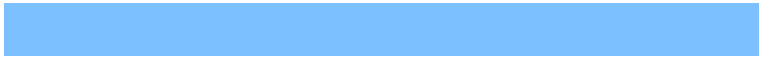
The Sweet Spot groups the original color and five complimentary colors.



32.5799, 0.2603, 0.1839



74.4249, 0.3008, 0.2902



49.3598, 0.2310, 0.2512



15.2469, 0.2989, 0.2843



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.



32.5799, 0.2603, 0.1839



25.3155, 0.2467, 0.1554



42.7451, 0.3166, 0.2055



17.8093, 0.3055, 0.3050



6.0787, 0.1990, 0.0870



0.6565, 0.2114, 0.0938

Inverse Universe

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



39.7428, 0.3813, 0.2608



33.5518, 0.4022, 0.2501



77.5262, 0.3061, 0.4919



18.1436, 0.3213, 0.3168



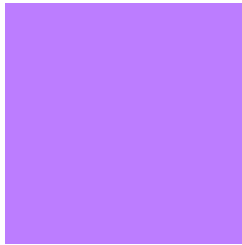
12.0031, 0.4897, 0.2471



1.1908, 0.4652, 0.2336

Previews

White Background



This preview shows how the Yxy color 32.5786, 0.2603, 0.1839 looks on a white background.

Color Contrast Check

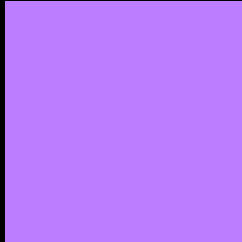
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.5786, 0.2603, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

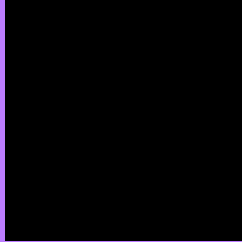
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5786, 0.2603, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 32.5786, 0.2603, 0.1839.



This preview shows how white text looks on a background with the Yxy color 32.5786, 0.2603, 0.1839.

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

32.5786, 0.2603, 0.1839

Protanopia

32.7980, 0.2135, 0.1956

Deuteranopia

32.9349, 0.2108, 0.2045



Tritanopia

32.3758, 0.3248, 0.3118

Trichromacy



Original Color

32.5786, 0.2603, 0.1839



Protanomaly

32.1415, 0.2274, 0.1897



Deuteranomaly

31.7368, 0.2241, 0.1936



Tritanomaly

32.0434, 0.2983, 0.2558

Monochromacy



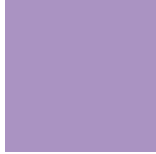
Original Color

32.5786, 0.2603, 0.1839



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.3085, 0.2926, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5786, 0.2603, 0.1839 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(188, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 125, 255)  
}
```

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(188, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 125, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.5786, 0.2603, 0.1839 is called "border". The border property can be set on classes, ids or directly on the HTML element.

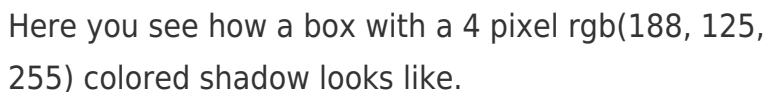
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 125, 255) }
```

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

```
.border{ border-color:rgb(188, 125, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 125, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 125, 255); box-shadow:4px 4px 4px 4px rgb(188, 125, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5786, 0.2603, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 125, 255) }
```

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

```
.background{ background-color: rgb(188,  
125, 255) }
```

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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