

Converting Colors

$Y_{xy}(31.2231, 0.2413, 0.1577)$

Have a look what the booklet for
Yxy(31.2231, 0.2413, 0.1577)
contains.

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Color

Yxy(29.5487, 0.2552, 0.1725)

Conversions

Conversions Part 1

Format	Color
Hex	B773FF
RGB	183, 115, 255
RGB Percent	72%, 45%, 100%
CMY	0.2823, 0.5491, 0.0000
CMYK	0.28, 0.55, 0.00, 0.00
HSL	269°, 100%, 73%
HSV	269°, 55%, 100%
XYZ	43.7149, 29.5487, 98.0332
YIQ	151.2920, -4.4120, 57.9560

Conversions

Conversions Part 2

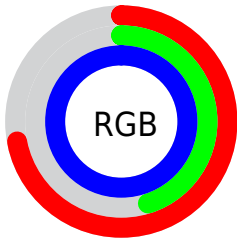
Format	Color
RYB	183, 115, 255
Decimal	12022783
CIELab	61.26, 52.92, -59.91
CIElCh	61, 79.939, 311.456
Yxy	29.5487, 0.2552, 0.1725
Android (android.graphics.Color)	4290212863 (0xFFB773FF)
YUV	151.2920, 51.1280, 27.8079
Hunter-Lab	54.3587, 48.4209, -68.8754

Details

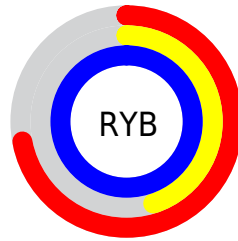
The Yxy color **29.5487, 0.2552, 0.1725** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.3191, 0.3453, 0.4849**, and the grayscale version is **30.8557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4732, 0.3063, 0.2423**, and **12.0219, 0.2364, 0.1389** is the 20% darker color. If you saturate the color by 10%, you get **22.9816, 0.2415, 0.1452**, and if you desaturate by 10%, it is **37.8717, 0.2683, 0.2021**.

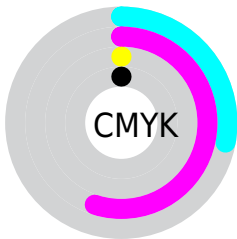
Distribution



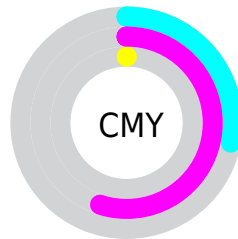
- Red (72%)
- Green (45%)
- Blue (100%)



- Red (72%)
- Yellow (45%)
- Blue (100%)



- Cyan (28%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5487, 0.2552, 0.1725 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 29.5487, 0.2552, 0.1725 by changing the saturation by 10% instead.


 29.5487, 0.2552,
0.1725


 29.5487, 0.2552,
0.1725


299.7951, 0.2872,
0.2443

 19.4963, 0.2467,
0.1570


 58.9477, 0.2673,
0.1968

 12.0294, 0.2358,
0.1385


 79.0632, 0.2717,
0.2065

 6.7637, 0.2212,
0.1164


 103.3017, 0.2754,
0.2149

 3.3148, 0.2014,
0.0902

132.0478, 0.2785,
0.2223

 1.2982, 0.1735,
0.0598

165.6858, 0.2811,
0.2287

 0.1398, 0.1362,
0.0121

204.6000, 0.2834,


 0.0000, 0.0672,

0.2345


0.0000


249.1750, 0.2854,
0.2397

 0.0000, 0.0000,
0.0000

 29.5487, 0.2552,
0.1725


 29.5487, 0.2552,
0.1725


 22.9816, 0.2415,
0.1452


 37.8717, 0.2683,
0.2021

 18.0327, 0.2279,
0.1218

 48.0779, 0.2805,
0.2323


 14.5383, 0.2149,
0.1034

 60.2793, 0.2914,
0.2621

 12.2987, 0.2031,
0.0909

 74.5797, 0.3009,
0.2904

 11.4971, 0.1977,
0.0863

 91.0757, 0.3091,
0.3169

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



29.5487, 0.1693, 0.1549



29.5487, 0.2552, 0.1725



29.5487, 0.3825, 0.2175

Triad

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



29.5487, 0.2552, 0.1725



29.5487, 0.5216, 0.4401



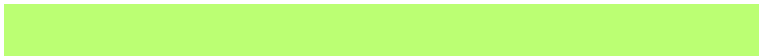
29.5487, 0.1440, 0.3388

Complementary

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



29.5487, 0.2552, 0.1725



83.3191, 0.3453, 0.4849

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.



29.5487, 0.2174, 0.4963



29.5487, 0.2552, 0.1725



29.5487, 0.4327, 0.5272

Square

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



29.5487, 0.2552, 0.1725



29.5487, 0.5577, 0.3572



29.5487, 0.3237, 0.5724



29.5487, 0.1166, 0.2225

Rectangle

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



29.5487, 0.2552, 0.1725



29.5487, 0.4704, 0.2596



29.5487, 0.3237, 0.5724



29.5487, 0.1632, 0.3911

Sweetspot

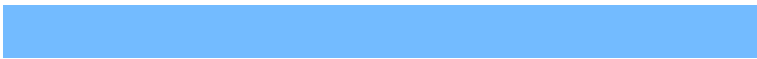
The Sweet Spot groups the original color and five complimentary colors.



29.5478, 0.2552, 0.1725



72.9107, 0.2999, 0.2874



46.5439, 0.2251, 0.2439



14.9485, 0.2981, 0.2817



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.



29.5478, 0.2552, 0.1725



22.3644, 0.2400, 0.1425



40.2989, 0.3167, 0.1977



17.8109, 0.3055, 0.3050



6.0956, 0.1994, 0.0872



0.6582, 0.2117, 0.0940

Inverse Universe

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



37.1056, 0.3895, 0.2565



31.0540, 0.4137, 0.2462



76.5618, 0.3055, 0.5059



18.1430, 0.3213, 0.3168



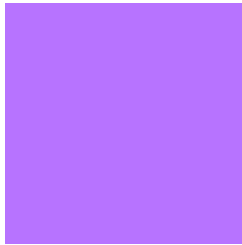
11.9969, 0.4904, 0.2475



1.1902, 0.4658, 0.2340

Previews

White Background



This preview shows how the Yxy color 29.5487, 0.2552, 0.1725 looks on a white background.

Color Contrast Check

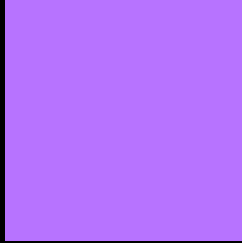
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5487, 0.2552, 0.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

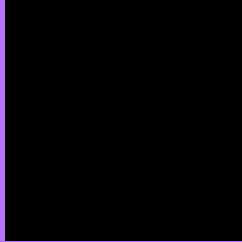
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5487, 0.2552, 0.1725

Background



This preview shows how black text looks on a background with the Yxy color 29.5487, 0.2552, 0.1725.



This preview shows how white text looks on a background with the Yxy color 29.5487, 0.2552, 0.1725.

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

29.5487, 0.2552, 0.1725

Protanopia

29.7632, 0.2048, 0.1844

Deuteranopia

29.9345, 0.2010, 0.1946



Tritanopia

29.2422, 0.3254, 0.3111

Trichromacy



Original Color

29.5487, 0.2552, 0.1725



Protanomaly

28.6622, 0.2185, 0.1765



Deuteranomaly

28.6383, 0.2141, 0.1820



Tritanomaly

28.8782, 0.2968, 0.2496

Monochromacy



Original Color

29.5487, 0.2552, 0.1725



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.6376, 0.2899, 0.2574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5487, 0.2552, 0.1725 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(183, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 115, 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(183, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.5487, 0.2552, 0.1725 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(183, 115, 255) }
```

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

```
.border{ border-color:rgb(183, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5487, 0.2552, 0.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 115, 255) }
```

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

```
.background{ background-color: rgb(183,  
115, 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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