

Converting Colors

$Y_{xy}(27.9018, 0.2600, 0.1464)$

Have a look what the booklet for
Yxy(27.9018, 0.2600, 0.1464)
contains.

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Color

Yxy(26.6961, 0.2726, 0.1566)

Conversions

Conversions Part 1

Format	Color
Hex	CD55FF
RGB	205, 85, 255
RGB Percent	80%, 33%, 100%
CMY	0.1961, 0.6666, 0.0000
CMYK	0.20, 0.67, 0.00, 0.00
HSL	282°, 100%, 67%
HSV	282°, 67%, 100%
XYZ	46.4710, 26.6961, 97.3061
YIQ	140.2600, 16.9500, 78.3100

Conversions

Conversions Part 2

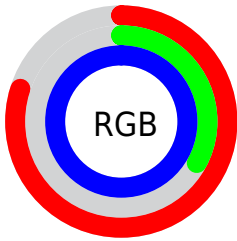
Format	Color
R _Y B	205, 85, 255
Decimal	13456895
CIE Lab	58.69, 71.95, -63.87
CIE LCh	59, 96.206, 318.407
Yxy	26.6961, 0.2726, 0.1566
Android (android.graphics.Color)	4291646975 (0xFFCD55FF)
YUV	140.2600, 56.5668, 56.7770
Hunter-Lab	51.6683, 70.1253, -75.4922

Details

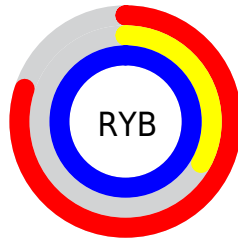
The Yxy color **26.6961, 0.2726, 0.1566** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **77.3261, 0.3252, 0.5305**, and the grayscale version is **26.1059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8260, 0.3178, 0.2204**, and **10.4563, 0.2562, 0.1213** is the 20% darker color. If you saturate the color by 10%, you get **22.3372, 0.2645, 0.1381**, and if you desaturate by 10%, it is **32.5540, 0.2805, 0.1791**.

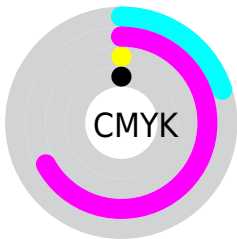
Distribution



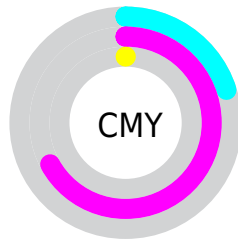
- Red (80%)
- Green (33%)
- Blue (100%)



- Red (80%)
- Yellow (33%)
- Blue (100%)



- Cyan (20%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6961, 0.2726, 0.1566 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 26.6961, 0.2726, 0.1566 by changing the saturation by 10% instead.


 26.6961, 0.2726,
0.1566


 26.6961, 0.2726,
0.1566


286.1827, 0.2973,
0.2341


 17.3451, 0.2655,
0.1403


 54.3958, 0.2824,
0.1825


 10.4809, 0.2561,
0.1212


 73.5133, 0.2858,
0.1929

 5.7189, 0.2433,
0.0988


 96.6552, 0.2886,
0.2020

 2.6749, 0.2252,
0.0729

 124.2057, 0.2910,
0.2100

 0.9645, 0.1990,
0.0445

156.5493, 0.2930,
0.2171

 0.0000, 0.1631,
0.0000

194.0704, 0.2946,

 0.0000, 0.1005,

0.2234

0.0000

237.1534, 0.2961,
0.2291

 0.0000, 0.0000,
0.0000

 26.6961, 0.2726,
0.1566


 26.6961, 0.2726,
0.1566


 22.3372, 0.2645,
0.1381


 32.5540, 0.2805,
0.1791

 19.3097, 0.2565,
0.1243


 40.0479, 0.2879,
0.2046


 17.4081, 0.2488,
0.1153

 49.3027, 0.2947,
0.2316

 16.9194, 0.2462,
0.1130

 60.4300, 0.3007,
0.2593

 73.5320, 0.3058,
0.2864

 88.7035, 0.3102,
0.3125

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



26.6961, 0.1622, 0.1302



26.6961, 0.2726, 0.1566



26.6961, 0.4360, 0.2123

Triad

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



26.6961, 0.2726, 0.1566



26.6961, 0.5265, 0.4650



26.6961, 0.1027, 0.2937

Complementary

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



26.6961, 0.2726, 0.1566



77.3261, 0.3252, 0.5305

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.



26.6961, 0.1677, 0.4988



26.6961, 0.2726, 0.1566



26.6961, 0.4076, 0.5774

Square

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



26.6961, 0.2726, 0.1566



26.6961, 0.5993, 0.3664



26.6961, 0.2809, 0.6311



26.6961, 0.0872, 0.1782

Rectangle

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



26.6961, 0.2726, 0.1566



26.6961, 0.5388, 0.2606



26.6961, 0.2809, 0.6311



26.6961, 0.1179, 0.3548

Sweetspot

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



26.6972, 0.2726, 0.1566



68.9301, 0.3042, 0.2775



26.7641, 0.1968, 0.1721



13.9627, 0.3028, 0.2698



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.



26.6972, 0.2726, 0.1566



21.1870, 0.2618, 0.1329



32.9798, 0.3546, 0.2033



18.0163, 0.3091, 0.3052



8.9219, 0.2475, 0.1137



0.9251, 0.2561, 0.1184

Inverse Universe

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



29.5095, 0.4679, 0.2826



24.7758, 0.5176, 0.2831



74.7810, 0.2909, 0.5078



18.0750, 0.3248, 0.3220



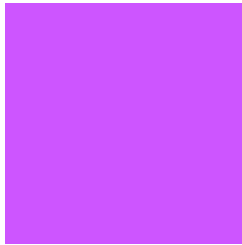
11.3970, 0.5789, 0.2963



1.1278, 0.5469, 0.2786

Previews

White Background



This preview shows how the Yxy color 26.6961, 0.2726, 0.1566 looks on a white background.

Color Contrast Check

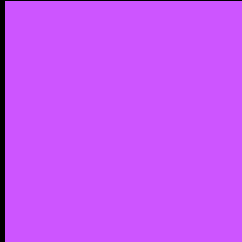
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6961, 0.2726, 0.1566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

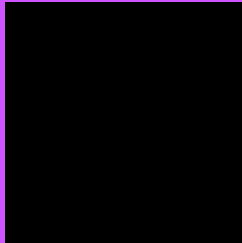
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6961, 0.2726, 0.1566

Background



This preview shows how black text looks on a background with the Yxy color 26.6961, 0.2726, 0.1566.



This preview shows how white text looks on a background with the Yxy color 26.6961, 0.2726, 0.1566.

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

26.6961, 0.2726, 0.1566

Protanopia

27.1908, 0.1962, 0.1742

Deuteranopia

27.1372, 0.1939, 0.1878



Tritanopia

26.4242, 0.3794, 0.3151

Trichromacy



Original Color

26.6961, 0.2726, 0.1566



Protanomaly

24.9257, 0.2141, 0.1598



Deuteranomaly

24.2071, 0.2092, 0.1649



Tritanomaly

25.5809, 0.3367, 0.2416

Monochromacy



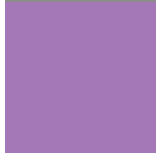
Original Color

26.6961, 0.2726, 0.1566



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.7029, 0.2970, 0.2408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6961, 0.2726, 0.1566 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(205, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 85, 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(205, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 85, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.6961, 0.2726, 0.1566 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(205, 85, 255) }
```

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

```
.border{ border-color:rgb(205, 85, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 85, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 85,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6961, 0.2726, 0.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 85, 255) }
```

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

```
.background{ background-color: rgb(205, 85,  
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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