

Converting Colors

$Y_{xy}(25.6479, 0.2723, 0.1520)$

Have a look what the booklet for
Yxy(25.6479, 0.2723, 0.1520)
contains.

Yxy(25.6479, 0.2723, 0.1520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.6479, 0.2723, 0.1520)

Conversions

Conversions Part 1

Format	Color
Hex	CD4EFF
RGB	205, 78, 255
RGB Percent	80%, 31%, 100%
CMY	0.1962, 0.6940, 0.0000
CMYK	0.20, 0.69, 0.00, 0.00
HSL	283°, 100%, 65%
HSV	283°, 69%, 100%
XYZ	45.9469, 25.6479, 97.1414
YIQ	136.1510, 18.8750, 81.9710

Conversions

Conversions Part 2

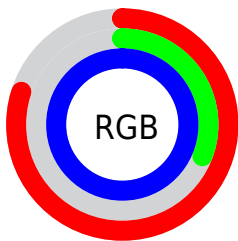
Format	Color
R _Y B	205, 78, 255
Decimal	13455103
CIE Lab	57.70, 74.73, -65.46
CIE LCh	58, 99.352, 318.783
Yxy	25.6479, 0.2723, 0.1520
Android (android.graphics.Color)	4291645183 (0xFFCD4EFF)
YUV	136.1510, 58.5926, 60.3806
Hunter-Lab	50.6438, 73.3187, -78.2754

Details

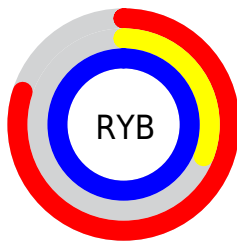
The Yxy color **25.6479, 0.2723, 0.1520** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **76.6634, 0.3236, 0.5388**, and the grayscale version is **24.4546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **10.1422, 0.2559, 0.1183** is the 20% darker color. If you saturate the color by 10%, you get **21.6978, 0.2645, 0.1350**, and if you desaturate by 10%, it is **31.0502, 0.2800, 0.1733**.

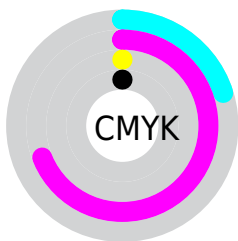
Distribution



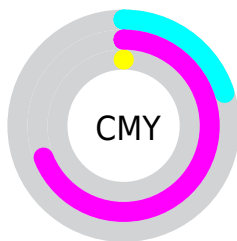
- Red (80%)
- Green (31%)
- Blue (100%)



- Red (80%)
- Yellow (31%)
- Blue (100%)



- Cyan (20%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6479, 0.2723, 0.1520 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 25.6479, 0.2723, 0.1520 by changing the saturation by 10% instead.


 25.6479, 0.2723,
0.1520


 25.6479, 0.2723,
0.1520


281.0493, 0.2975,
0.2314


 16.5604, 0.2650,
0.1354


 52.7064, 0.2823,
0.1785


 9.9216, 0.2554,
0.1161


 71.4462, 0.2858,
0.1891

 5.3470, 0.2421,
0.0935


 94.1722, 0.2887,
0.1984

 2.4523, 0.2235,
0.0677

 121.2688, 0.2911,
0.2066

 0.8526, 0.1965,
0.0398

153.1204, 0.2931,
0.2139

 0.0000, 0.1591,
0.0000

190.1115, 0.2948,

 0.0000, 0.0951,

0.2204

0.0000

232.6263, 0.2962,
0.2262

0.0000, 0.0000,
0.0000

25.6479, 0.2723,
0.1520

25.6479, 0.2723,
0.1520

21.6978, 0.2645,
0.1350

31.0502, 0.2800,
0.1733

19.0248, 0.2569,
0.1227

38.0486, 0.2872,
0.1978


17.3640, 0.2495,
0.1150

46.7714, 0.2938,
0.2244

17.2779, 0.2491,
0.1146

57.3332, 0.2998,
0.2518

69.8385, 0.3049,
0.2791

 84.3840, 0.3093,
0.3055

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.



25.6479, 0.1583, 0.1249



25.6479, 0.2723, 0.1520



25.6479, 0.4432, 0.2089

Triad

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



25.6479, 0.2723, 0.1520



25.6479, 0.5302, 0.4672



25.6479, 0.0956, 0.2884

Complementary

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



25.6479, 0.2723, 0.1520



76.6634, 0.3236, 0.5388

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.



25.6479, 0.1599, 0.5050



25.6479, 0.2723, 0.1520



25.6479, 0.4052, 0.5861

Square

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



25.6479, 0.2723, 0.1520



25.6479, 0.6078, 0.3645



25.6479, 0.2744, 0.6455



25.6479, 0.0815, 0.1713

Rectangle

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



25.6479, 0.2723, 0.1520



25.6479, 0.5501, 0.2580



25.6479, 0.2744, 0.6455



25.6479, 0.1104, 0.3520

Sweetspot

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



25.6485, 0.2723, 0.1520



67.7049, 0.3041, 0.2748



24.3233, 0.1916, 0.1610



13.7288, 0.3028, 0.2673



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.



25.6485, 0.2723, 0.1520



20.5989, 0.2617, 0.1300



31.7044, 0.3602, 0.2023



18.0273, 0.3092, 0.3053



9.1073, 0.2503, 0.1152



0.9419, 0.2586, 0.1198

Inverse Universe

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



28.2723, 0.4810, 0.2841



23.9961, 0.5324, 0.2866



74.4104, 0.2897, 0.5122



18.0715, 0.3250, 0.3223



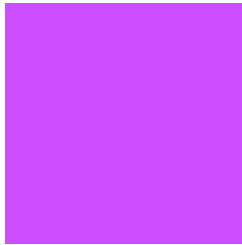
11.3757, 0.5829, 0.2985



1.1254, 0.5509, 0.2809

Previews

White Background



This preview shows how the Yxy color 25.6479, 0.2723, 0.1520 looks on a white background.

Color Contrast Check

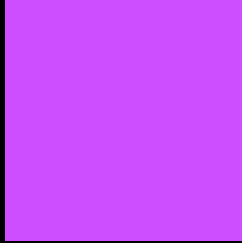
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6479, 0.2723, 0.1520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

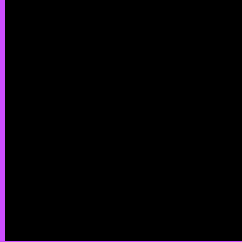
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6479, 0.2723, 0.1520

Background



This preview shows how black text looks on a background with the Yxy color 25.6479, 0.2723, 0.1520.



This preview shows how white text looks on a background with the Yxy color 25.6479, 0.2723, 0.1520.

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

25.6479, 0.2723, 0.1520

Protanopia

26.0438, 0.1926, 0.1694

Deuteranopia

26.2098, 0.1900, 0.1839



Tritanopia

25.4570, 0.3845, 0.3165

Trichromacy



Original Color

25.6479, 0.2723, 0.1520



Protanomaly

23.3922, 0.2099, 0.1530



Deuteranomaly

22.7374, 0.2036, 0.1583



Tritanomaly

24.5358, 0.3384, 0.2387

Monochromacy



Original Color

25.6479, 0.2723, 0.1520



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.0932, 0.2967, 0.2365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6479, 0.2723, 0.1520 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, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 78, 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, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 78, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.6479, 0.2723, 0.1520 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, 78, 255) }
```

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

```
.border{ border-color:rgb(205, 78, 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, 78, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 78,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6479, 0.2723, 0.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 78, 255) }
```

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

```
.background{ background-color: rgb(205, 78,  
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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