

Converting Colors

$Y_{xy}(22.4859, 0.2763, 0.1495)$

Have a look what the booklet for
Yxy(22.4859, 0.2763, 0.1495)
contains.

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Color

Yxy(22.4493, 0.2766, 0.1495)

Conversions

Conversions Part 1

Format	Color
Hex	C742F2
RGB	199, 66, 242
RGB Percent	78%, 26%, 95%
CMY	0.2196, 0.7413, 0.0508
CMYK	0.18, 0.73, 0.00, 0.05
HSL	285°, 87%, 60%
HSV	285°, 73%, 95%
XYZ	41.5350, 22.4493, 86.1783
YIQ	125.8310, 22.7720, 82.9320

Conversions

Conversions Part 2

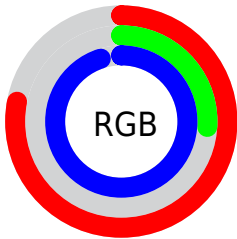
Format	Color
R _{YB}	199, 66, 242
Decimal	13058802
CIE Lab	54.50, 75.55, -63.45
CIE LCh	55, 98.656, 319.974
Yxy	22.4493, 0.2766, 0.1495
Android (android.graphics.Color)	4291248882 (0xFFC742F2)
YUV	125.8310, 57.2713, 64.1692
Hunter-Lab	47.3807, 73.5608, -74.6730

Details

The Yxy color **22.4493, 0.2766, 0.1495** 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 **67.1713, 0.3194, 0.5493**, and the grayscale version is **20.5972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **9.0782, 0.2600, 0.1206** is the 20% darker color. If you saturate the color by 10%, you get **19.4030, 0.2699, 0.1347**, and if you desaturate by 10%, it is **26.7241, 0.2832, 0.1687**.

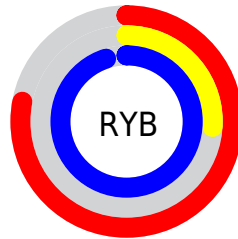
Distribution



Red (78%)

Green (26%)

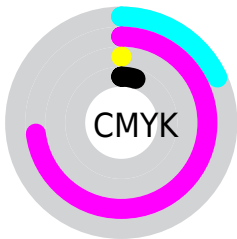
Blue (95%)



Red (78%)

Yellow (26%)

Blue (95%)

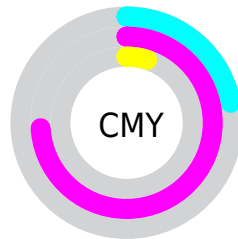


Cyan (18%)

Magenta (73%)

Yellow (0%)

Black (5%)



Cyan (22%)

Magenta (74%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4493, 0.2766, 0.1495 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 22.4493, 0.2766, 0.1495 by changing the saturation by 10% instead.


 22.4493, 0.2766,
0.1495


 22.4493, 0.2766,
0.1495


264.8837, 0.3003,
0.2315


 14.1874, 0.2694,
0.1321


 47.4875, 0.2863,
0.1771


 8.2511, 0.2596,
0.1118


 65.0326, 0.2896,
0.1881

 4.2561, 0.2459,
0.0880


 86.4408, 0.2923,
0.1977

 1.8178, 0.2262,
0.0609

 112.0967, 0.2945,
0.2062

 0.4982, 0.1973,
0.0294

 142.3845, 0.2963,
0.2136

 0.0000, 0.1537,
0.0000

177.6887, 0.2979,


 0.0000, 0.0556,


0.2202


0.0000


218.3936, 0.2992,
0.2262


 0.0000, 0.0000,
0.0000


 22.4493, 0.2766,
0.1495


 22.4493, 0.2766,
0.1495

 19.4030, 0.2699,
0.1347


 26.7241, 0.2832,
0.1687

 17.4197, 0.2634,
0.1247


 32.3593, 0.2895,
0.1915

 16.4670, 0.2587,
0.1199

 39.4727, 0.2953,
0.2168

 48.1682, 0.3004,
0.2435

 58.5404, 0.3049,
0.2705

 70.6764, 0.3088,
0.2970

 84.6570, 0.3119,
0.3223

 97.5858, 0.3148,
0.3416

 98.6744, 0.3185,
0.3415

Harmonies

Analogous

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



22.4493, 0.1576, 0.1210



22.4493, 0.2766, 0.1495



22.4493, 0.4548, 0.2082

Triad

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



22.4493, 0.2766, 0.1495



22.4493, 0.5285, 0.4715



22.4493, 0.0889, 0.2787

Complementary

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



22.4493, 0.2766, 0.1495



67.1713, 0.3194, 0.5493

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.



22.4493, 0.1505, 0.5028



22.4493, 0.2766, 0.1495



22.4493, 0.3996, 0.5981

Square

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



22.4493, 0.2766, 0.1495



22.4493, 0.6132, 0.3653



22.4493, 0.2649, 0.6570



22.4493, 0.0770, 0.1636

Rectangle

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



22.4493, 0.2766, 0.1495



22.4493, 0.5637, 0.2580



22.4493, 0.2649, 0.6570



22.4493, 0.1026, 0.3431

Sweetspot

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



22.4502, 0.2766, 0.1495



66.7728, 0.3052, 0.2724



18.7199, 0.1850, 0.1452



13.5634, 0.3041, 0.2651



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.



22.4502, 0.2766, 0.1495



20.7039, 0.2669, 0.1297



26.8555, 0.3704, 0.2039



15.8255, 0.3099, 0.3055



8.9100, 0.2598, 0.1205



0.7870, 0.2682, 0.1251

Inverse Universe

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



23.8814, 0.5034, 0.2908



23.0501, 0.5593, 0.2962



65.8100, 0.2874, 0.5136



15.8222, 0.3255, 0.3233



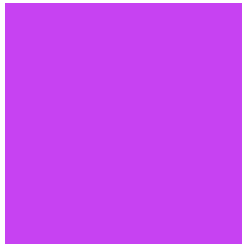
10.3295, 0.5946, 0.3049



0.8746, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 22.4493, 0.2766, 0.1495 looks on a white background.

Color Contrast Check

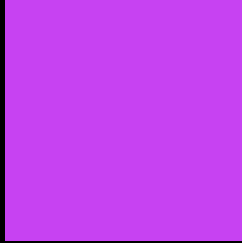
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4493, 0.2766, 0.1495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

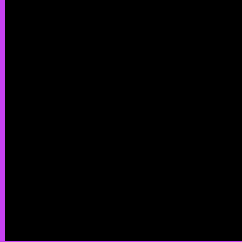
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4493, 0.2766, 0.1495

Background



This preview shows how black text looks on a background with the Yxy color 22.4493, 0.2766, 0.1495.



This preview shows how white text looks on a background with the Yxy color 22.4493, 0.2766, 0.1495.

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

22.4493, 0.2766, 0.1495

Protanopia

22.8198, 0.1822, 0.1550

Deuteranopia

22.7079, 0.1891, 0.1828



Tritanopia

22.2836, 0.3977, 0.3176

Trichromacy



Original Color

22.4493, 0.2766, 0.1495



Protanomaly

19.7458, 0.1988, 0.1406



Deuteranomaly

19.3183, 0.2030, 0.1547



Tritanomaly

21.3411, 0.3491, 0.2376

Monochromacy



Original Color

22.4493, 0.2766, 0.1495



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.5001, 0.2990, 0.2318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4493, 0.2766, 0.1495 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(199, 66, 242)` looks like.

```
.text, #text, p{  
    color:rgb(199, 66, 242)  
}
```

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(199, 66, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 66, 242) }
```

Border

The CSS property to change the border of an element to Yxy 22.4493, 0.2766, 0.1495 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(199, 66, 242) }
```

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

```
.border{ border-color:rgb(199, 66, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 66, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 66, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 66, 242);  
box-shadow:4px 4px 4px 4px rgb(199, 66,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4493, 0.2766, 0.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 66, 242) }
```

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

```
.background{ background-color: rgb(199, 66,  
242) }
```

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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