

Converting Colors

$Y_{xy}(22.2077, 0.2904, 0.1749)$

Have a look what the booklet for
Yxy(22.2077, 0.2904, 0.1749)
contains.

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Color

Yxy(22.1434, 0.2902, 0.1744)

Conversions

Conversions Part 1

Format	Color
Hex	BE53D9
RGB	190, 83, 217
RGB Percent	75%, 33%, 85%
CMY	0.2550, 0.6744, 0.1490
CMYK	0.12, 0.62, 0.00, 0.15
HSL	288°, 64%, 59%
HSV	288°, 62%, 85%
XYZ	36.8464, 22.1434, 67.9792
YIQ	130.2690, 20.7580, 64.3580

Conversions

Conversions Part 2

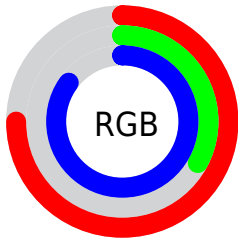
Format	Color
RYB	190, 83, 217
Decimal	12473305
CIELab	54.18, 62.08, -49.94
CIELCh	54, 79.675, 321.187
Yxy	22.1434, 0.2902, 0.1744
Android (android.graphics.Color)	4290663385 (0xFFBE53D9)
YUV	130.2690, 42.7584, 52.3841
Hunter-Lab	47.0568, 57.4198, -52.7119

Details

The Yxy color **22.1434, 0.2902, 0.1744** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **53.5717, 0.3180, 0.5192**, and the grayscale version is **22.2670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5367, 0.3128, 0.2152**, and **8.0601, 0.2780, 0.1370** is the 20% darker color. If you saturate the color by 10%, you get **18.7705, 0.2849, 0.1557**, and if you desaturate by 10%, it is **26.5740, 0.2952, 0.1966**.

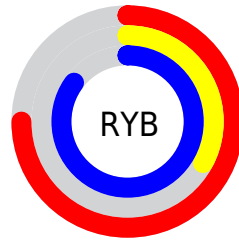
Distribution



Red (75%)

Green (33%)

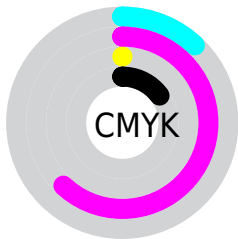
Blue (85%)



Red (75%)

Yellow (33%)

Blue (85%)

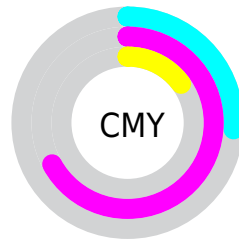


Cyan (12%)

Magenta (62%)

Yellow (0%)

Black (15%)



Cyan (26%)


Magenta (67%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1434, 0.2902, 0.1744 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 22.1434, 0.2902, 0.1744 by changing the saturation by 10% instead.


 22.1434, 0.2902,
0.1744


 22.1434, 0.2902,
0.1744


263.2942, 0.3059,
0.2485


 13.9623, 0.2850,
0.1575


 46.9829, 0.2969,
0.2003


 8.0945, 0.2776,
0.1370


 64.4101, 0.2991,
0.2103

 4.1554, 0.2668,
0.1120


 85.6881, 0.3009,
0.2190

 1.7609, 0.2499,
0.0816

 111.2013, 0.3023,
0.2265

 0.4626, 0.2237,
0.0411

141.3341, 0.3034,
0.2330

 0.0000, 0.1778,
0.0000

176.4710, 0.3044,

 0.0000, 0.0000,

0.2388

0.0000

216.9962, 0.3052,
0.2440

■ 22.1434, 0.2902,
0.1744

■ 22.1434, 0.2902,
0.1744

■ 18.7705, 0.2849,
0.1557

■ 26.5740, 0.2952,
0.1966

■ 16.3517, 0.2795,
0.1412

■ 32.1474, 0.2997,
0.2214

■ 14.7672, 0.2741,
0.1313

■ 38.9430, 0.3037,
0.2474

■ 13.9180, 0.2698,
0.1260

■ 47.0326, 0.3071,
0.2739

■ 56.4820, 0.3100,
0.2999

■ 67.3527, 0.3124,
0.3248

■ 79.7025, 0.3142,
0.3483

■ 92.5376, 0.3158,
0.3684

■ 93.2506, 0.3186,
0.3681

Harmonies

Analogous

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



22.1434, 0.1829, 0.1465



22.1434, 0.2902, 0.1744



22.1434, 0.4368, 0.2296

Triad

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



22.1434, 0.2902, 0.1744



22.1434, 0.5056, 0.4724



22.1434, 0.1175, 0.2879

Complementary

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



22.1434, 0.2902, 0.1744



53.5717, 0.3180, 0.5192

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.



22.1434, 0.1768, 0.4595



22.1434, 0.2902, 0.1744



22.1434, 0.3985, 0.5660

Square

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



22.1434, 0.2902, 0.1744



22.1434, 0.5718, 0.3804



22.1434, 0.2811, 0.5890



22.1434, 0.1039, 0.1878

Rectangle

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



22.1434, 0.2902, 0.1744



22.1434, 0.5237, 0.2765



22.1434, 0.2811, 0.5890



22.1434, 0.1314, 0.3391

Sweetspot

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



22.1443, 0.2902, 0.1744



71.0804, 0.3079, 0.2806



18.4521, 0.2020, 0.1702



14.4206, 0.3070, 0.2730



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.



22.1443, 0.2902, 0.1744



25.8907, 0.2834, 0.1509



24.2003, 0.3646, 0.2214



13.1353, 0.3106, 0.3057



8.4706, 0.2705, 0.1264



0.5831, 0.2792, 0.1312

Inverse Universe

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



22.0711, 0.4678, 0.2990



26.1988, 0.5210, 0.2985



52.8479, 0.2860, 0.4749



13.0943, 0.3260, 0.3243



9.0512, 0.6060, 0.3112



0.5988, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 22.1434, 0.2902, 0.1744 looks on a white background.

Color Contrast Check

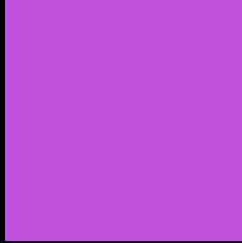
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1434, 0.2902, 0.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

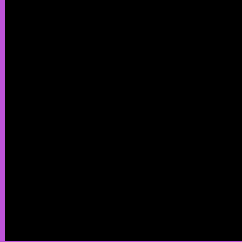
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1434, 0.2902, 0.1744

Background



This preview shows how black text looks on a background with the Yxy color 22.1434, 0.2902, 0.1744.



This preview shows how white text looks on a background with the Yxy color 22.1434, 0.2902, 0.1744.

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

22.1434, 0.2902, 0.1744

Protanopia

22.7947, 0.1820, 0.1549

Deuteranopia

22.4041, 0.2128, 0.2070



Tritanopia

21.9551, 0.3881, 0.3158

Trichromacy



Original Color

22.1434, 0.2902, 0.1744



Protanomaly

20.2121, 0.2014, 0.1524



Deuteranomaly

20.7244, 0.2331, 0.1870



Tritanomaly

21.4977, 0.3497, 0.2537

Monochromacy



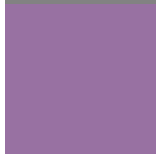
Original Color

22.1434, 0.2902, 0.1744



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0943, 0.3043, 0.2530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1434, 0.2902, 0.1744 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(190, 83, 217)` looks like.

```
.text, #text, p{  
    color:rgb(190, 83, 217)  
}
```

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(190, 83, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 83, 217) }
```

Border

The CSS property to change the border of an element to Yxy 22.1434, 0.2902, 0.1744 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(190, 83, 217) }
```

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

```
.border{ border-color:rgb(190, 83, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 83, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 83, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 83, 217);  
box-shadow:4px 4px 4px 4px rgb(190, 83,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1434, 0.2902, 0.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 83, 217) }
```

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

```
.background{ background-color: rgb(190, 83,  
217) }
```

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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