

Converting Colors

$Y_{xy}(22.2065, 0.3330, 0.2260)$

Have a look what the booklet for
Yxy(22.2065, 0.3330, 0.2260)
contains.

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Color

Yxy(22.1523, 0.3335, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	BC60AF
RGB	188, 96, 175
RGB Percent	74%, 38%, 69%
CMY	0.2628, 0.6235, 0.3137
CMYK	0.00, 0.49, 0.07, 0.26
HSL	308°, 41%, 56%
HSV	308°, 49%, 74%
XYZ	32.6604, 22.1523, 43.1196
YIQ	132.5140, 29.4730, 44.0730

Conversions

Conversions Part 2

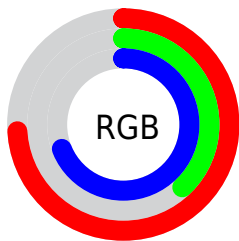
Format	Color
RYB	188, 96, 175
Decimal	12345519
CIELab	54.19, 47.68, -25.86
CIELCh	54, 54.237, 331.528
Yxy	22.1523, 0.3335, 0.2262
Android (android.graphics.Color)	4290535599 (0xFFBC60AF)
YUV	132.5140, 20.9456, 48.6612
Hunter-Lab	47.0662, 41.4997, -21.3720

Details

The Yxy color **22.1523, 0.3335, 0.2262** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.5564, 0.2977, 0.4606**, and the grayscale version is **23.1854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1750, 0.3301, 0.2459**, and **8.0384, 0.3375, 0.1953** is the 20% darker color. If you saturate the color by 10%, you get **19.0200, 0.3388, 0.2086**, and if you desaturate by 10%, it is **26.1089, 0.3284, 0.2461**.

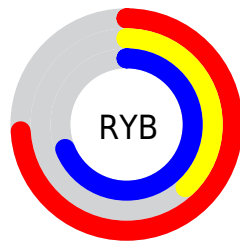
Distribution



Red (74%)

Green (38%)

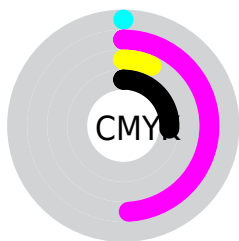
Blue (69%)



Red (74%)

Yellow (38%)

Blue (69%)

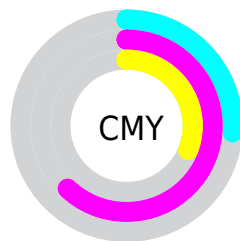


Cyan (0%)

Magenta (49%)

Yellow (7%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1523, 0.3335, 0.2262 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 22.1523, 0.3335, 0.2262 by changing the saturation by 10% instead.


 22.1523, 0.3335,
0.2262


 22.1523, 0.3335,
0.2262


263.3406, 0.3239,
0.2789


 13.9689, 0.3355,
0.2128


 46.9976, 0.3302,
0.2456

 8.0990, 0.3379,
0.1956


 64.4282, 0.3290,
0.2528

 4.1584, 0.3404,
0.1727


 85.7100, 0.3278,
0.2589

 1.7625, 0.3427,
0.1413

 111.2274, 0.3268,
0.2640

 0.4637, 0.3467,
0.0865

141.3648, 0.3260,
0.2685

 0.0000, 0.3314,
0.0000

176.5065, 0.3252,

 0.0000, 0.0000,

0.2724

0.0000

217.0370, 0.3245,
0.2759

■ 22.1523, 0.3335,
0.2262

■ 22.1523, 0.3335,
0.2262

■ 19.0200, 0.3388,
0.2086

■ 26.1089, 0.3284,
0.2461

■ 16.6494, 0.3442,
0.1943

■ 30.9403, 0.3237,
0.2673

■ 14.9743, 0.3496,
0.1839


■ 36.6966, 0.3195,
0.2889


■ 13.9152, 0.3548,
0.1780

■ 43.4231, 0.3157,
0.3104

■ 13.3344, 0.3596,
0.1759

■ 51.1622, 0.3124,
0.3312

 13.2808, 0.3602,
0.1758

 59.9539, 0.3095,
0.3509

 69.8360, 0.3070,
0.3693

 80.8441, 0.3049,
0.3863

 86.3297, 0.3033,
0.3920

Harmonies

Analogous

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



22.1523, 0.2430, 0.1954



22.1523, 0.3335, 0.2262



22.1523, 0.4319, 0.2771

Triad

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



22.1523, 0.3335, 0.2262



22.1523, 0.4419, 0.4717



22.1523, 0.1594, 0.2758

Complementary

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



22.1523, 0.3335, 0.2262



39.5564, 0.2977, 0.4606

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.



22.1523, 0.1980, 0.3768



22.1523, 0.3335, 0.2262



22.1523, 0.3601, 0.5091

Square

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



22.1523, 0.3335, 0.2262



22.1523, 0.4946, 0.4068



22.1523, 0.2709, 0.4767



22.1523, 0.1555, 0.2138

Rectangle

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



22.1523, 0.3335, 0.2262



22.1523, 0.4801, 0.3180



22.1523, 0.2709, 0.4767



22.1523, 0.1682, 0.3059

Sweetspot

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



22.1533, 0.3335, 0.2262



70.7959, 0.3180, 0.2969



15.2023, 0.2314, 0.1806



14.6908, 0.3189, 0.2924



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1533, 0.3335, 0.2262



33.9661, 0.3394, 0.2070



20.6622, 0.3959, 0.2827



9.6725, 0.3159, 0.3095



9.0508, 0.3596, 0.1755



0.3610, 0.3490, 0.1696

Inverse Universe

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



22.1533, 0.3335, 0.2262



33.9661, 0.3394, 0.2070



40.7946, 0.2691, 0.3830



9.6725, 0.3159, 0.3095



9.0508, 0.3596, 0.1755



0.3610, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 22.1523, 0.3335, 0.2262 looks on a white background.

Color Contrast Check

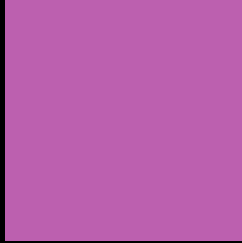
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1523, 0.3335, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

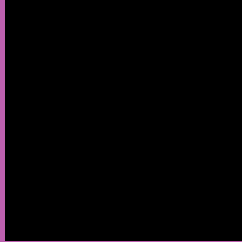
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1523, 0.3335, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 22.1523, 0.3335, 0.2262.



This preview shows how white text looks on a background with the Yxy color 22.1523, 0.3335, 0.2262.

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

22.1523, 0.3335, 0.2262

Protanopia

22.5515, 0.2290, 0.2165

Deuteranopia

22.3679, 0.2654, 0.2607



Tritanopia

22.0454, 0.3996, 0.3176

Trichromacy



Original Color

22.1523, 0.3335, 0.2262

Protanomaly

21.4033, 0.2587, 0.2159

Deuteranomaly

21.4508, 0.2870, 0.2436

Tritanomaly

21.9260, 0.3759, 0.2812

Monochromacy



Original Color

22.1523, 0.3335, 0.2262

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.3434, 0.3208, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1523, 0.3335, 0.2262 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(188, 96, 175)` looks like.

```
.text, #text, p{  
    color:rgb(188, 96, 175)  
}
```

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(188, 96, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 96, 175) }
```

Border

The CSS property to change the border of an element to Yxy 22.1523, 0.3335, 0.2262 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(188, 96, 175) }
```

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

```
.border{ border-color:rgb(188, 96, 175) }
```

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

Here you see how a box with a 4 pixel rgb(188, 96, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 96, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 96, 175);  
box-shadow:4px 4px 4px 4px rgb(188, 96,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1523, 0.3335, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 96, 175) }
```

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

```
.background{ background-color: rgb(188, 96,  
175) }
```

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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