

Converting Colors

$Y_{xy}(22.1709, 0.3496, 0.2382)$

Have a look what the booklet for
Yxy(22.1709, 0.3496, 0.2382)
contains.

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Color

Yxy(22.1587, 0.3499, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	BF60A5
RGB	191, 96, 165
RGB Percent	75%, 38%, 65%
CMY	0.2508, 0.6236, 0.3529
CMYK	0.00, 0.50, 0.14, 0.25
HSL	316°, 43%, 56%
HSV	316°, 50%, 75%
XYZ	32.4679, 22.1587, 38.1653
YIQ	132.2710, 34.4710, 41.5990

Conversions

Conversions Part 2

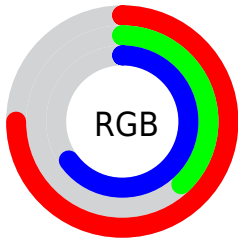
Format	Color
R_{YB}	191, 96, 165
Decimal	12542117
CIE _{Lab}	54.19, 46.96, -19.99
CIE _{LCh}	54, 51.036, 336.941
Yxy	22.1587, 0.3499, 0.2388
Android (android.graphics.Color)	4290732197 (0xFFBF60A5)
YUV	132.2710, 16.1354, 51.5053
Hunter-Lab	47.0730, 40.7398, -15.1193

Details

The Yxy color **22.1587, 0.3499, 0.2388** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **41.1699, 0.2898, 0.4423**, and the grayscale version is **23.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1197, 0.3427, 0.2568**, and **8.0709, 0.3607, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **18.9016, 0.3603, 0.2235**, and if you desaturate by 10%, it is **26.2726, 0.3404, 0.2562**.

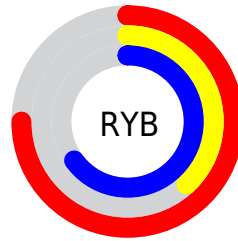
Distribution



Red (75%)

Green (38%)

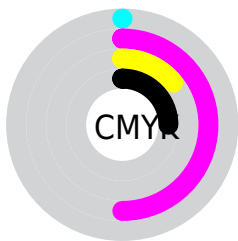
Blue (65%)



Red (75%)

Yellow (38%)

Blue (65%)

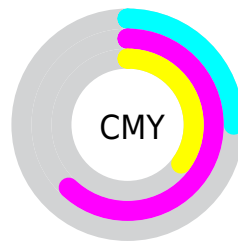


Cyan (0%)

Magenta (50%)

Yellow (14%)

Black (25%)



Cyan (25%)


Magenta (62%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1587, 0.3499, 0.2388 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 22.1587, 0.3499, 0.2388 by changing the saturation by 10% instead.


 22.1587, 0.3499,
0.2388


 22.1587, 0.3499,
0.2388


263.3739, 0.3308,
0.2857

 13.9736, 0.3548,
0.2266


 47.0082, 0.3428,
0.2562


 8.1023, 0.3611,
0.2108


 64.4413, 0.3402,
0.2626

 4.1605, 0.3696,
0.1894


 85.7258, 0.3380,
0.2680

 1.7637, 0.3813,
0.1592

 111.2462, 0.3361,
0.2726

 0.4644, 0.4035,
0.1024

141.3868, 0.3345,
0.2766

 0.0000, 0.4342,
0.0000

176.5320, 0.3331,

 0.0000, 0.0000,

0.2800

0.0000

217.0663, 0.3319,
0.2830

■ 22.1587, 0.3499,
0.2388

■ 22.1587, 0.3499,
0.2388

■ 18.9016, 0.3603,
0.2235

■ 26.2726, 0.3404,
0.2562

■ 16.4355, 0.3713,
0.2113

■ 31.2963, 0.3319,
0.2746

■ 14.6904, 0.3826,
0.2032

■ 37.2824, 0.3245,
0.2933

■ 13.5824, 0.3939,
0.1998

■ 44.2784, 0.3181,
0.3117


■ 12.9510, 0.4049,
0.2005


■ 52.3288, 0.3126,
0.3294

 12.9374, 0.4051,
0.2005

 61.4753, 0.3080,
0.3461

 71.7573, 0.3041,
0.3617

 83.2125, 0.3008,
0.3761

 87.3597, 0.2980,
0.3764

Harmonies

Analogous

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



22.1587, 0.2606, 0.2052



22.1587, 0.3499, 0.2388



22.1587, 0.4392, 0.2904

Triad

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



22.1587, 0.3499, 0.2388



22.1587, 0.4240, 0.4745



22.1587, 0.1637, 0.2660

Complementary

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



22.1587, 0.3499, 0.2388



41.1699, 0.2898, 0.4423

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.



22.1587, 0.1950, 0.3556



22.1587, 0.3499, 0.2388



22.1587, 0.3437, 0.4983

Square

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



22.1587, 0.3499, 0.2388



22.1587, 0.4796, 0.4165



22.1587, 0.2597, 0.4532



22.1587, 0.1652, 0.2134

Rectangle

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



22.1587, 0.3499, 0.2388



22.1587, 0.4786, 0.3308



22.1587, 0.2597, 0.4532



22.1587, 0.1703, 0.2922

Sweetspot

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



22.1597, 0.3499, 0.2388



72.1788, 0.3215, 0.3017



16.2133, 0.2417, 0.1821



15.2763, 0.3229, 0.2978



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



22.1597, 0.3499, 0.2388



33.2408, 0.3616, 0.2219



20.7547, 0.4174, 0.2991



9.6505, 0.3178, 0.3125



8.5125, 0.4037, 0.1998



0.3439, 0.3797, 0.1865

Inverse Universe

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



22.1597, 0.3499, 0.2388



33.2408, 0.3616, 0.2219



42.6237, 0.2609, 0.3633



9.6505, 0.3178, 0.3125



8.5125, 0.4037, 0.1998



0.3439, 0.3797, 0.1865

Previews

White Background



This preview shows how the Yxy color 22.1587, 0.3499, 0.2388 looks on a white background.

Color Contrast Check

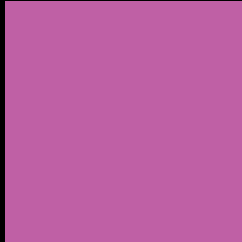
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1587, 0.3499, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

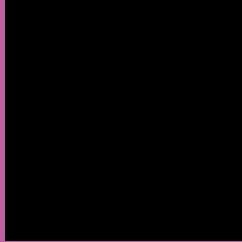
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1587, 0.3499, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 22.1587, 0.3499, 0.2388.



This preview shows how white text looks on a background with the Yxy color 22.1587, 0.3499, 0.2388.

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

22.1587, 0.3499, 0.2388

Protanopia

22.4275, 0.2406, 0.2312

Deuteranopia

22.3060, 0.2802, 0.2737



Tritanopia

22.1923, 0.4098, 0.3180

Trichromacy



Original Color

22.1587, 0.3499, 0.2388

Protanomaly

21.2750, 0.2721, 0.2303

Deuteranomaly

21.6787, 0.3031, 0.2574

Tritanomaly

22.0853, 0.3884, 0.2876

Monochromacy



Original Color

22.1587, 0.3499, 0.2388

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

21.9796, 0.3256, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1587, 0.3499, 0.2388 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(191, 96, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 165)  
}
```

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(191, 96, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 165) }
```

Border

The CSS property to change the border of an element to Yxy 22.1587, 0.3499, 0.2388 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(191, 96, 165) }
```

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

```
.border{ border-color:rgb(191, 96, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 96, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 96, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 96, 165); box-shadow:4px 4px 4px 4px rgb(191, 96, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1587, 0.3499, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 96, 165) }
```

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

```
.background{ background-color: rgb(191, 96,  
165) }
```

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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