

Converting Colors

$Y_{xy}(22.3386, 0.3584, 0.2505)$

Have a look what the booklet for
Yxy(22.3386, 0.3584, 0.2505)
contains.

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Color

Yxy(22.4687, 0.3586, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	BF639E
RGB	191, 99, 158
RGB Percent	75%, 39%, 62%
CMY	0.2508, 0.6118, 0.3804
CMYK	0.00, 0.48, 0.17, 0.25
HSL	322°, 42%, 57%
HSV	322°, 48%, 75%
XYZ	32.1263, 22.4687, 34.9931
YIQ	133.2340, 35.8930, 37.8530

Conversions

Conversions Part 2

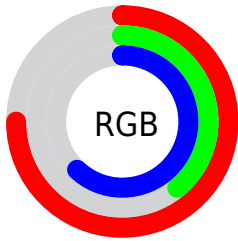
Format	Color
R_{YB}	191, 99, 158
Decimal	12542878
CIE _{Lab}	54.52, 44.32, -15.41
CIE _{LCh}	55, 46.925, 340.832
Yxy	22.4687, 0.3586, 0.2508
Android (android.graphics.Color)	4290732958 (0xFFBF639E)
YUV	133.2340, 12.2096, 50.6608
Hunter-Lab	47.4012, 38.0270, -10.5890

Details

The Yxy color **22.4687, 0.3586, 0.2508** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **41.5955, 0.2854, 0.4247**, and the grayscale version is **23.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4003, 0.3490, 0.2655**, and **8.2455, 0.3724, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **19.0396, 0.3724, 0.2367**, and if you desaturate by 10%, it is **26.7692, 0.3462, 0.2666**.

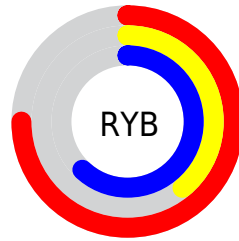
Distribution



Red (75%)

Green (39%)

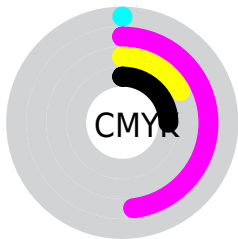
Blue (62%)



Red (75%)

Yellow (39%)

Blue (62%)

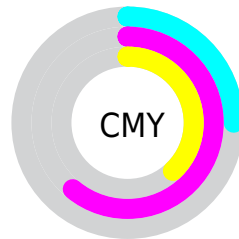


Cyan (0%)

Magenta (48%)

Yellow (17%)

Black (25%)



Cyan (25%)


Magenta (61%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4687, 0.3586, 0.2508 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 22.4687, 0.3586, 0.2508 by changing the saturation by 10% instead.


 22.4687, 0.3586,
0.2508


 22.4687, 0.3586,
0.2508


264.9843, 0.3342,
0.2919


 14.2017, 0.3652,
0.2399


 47.5194, 0.3494,
0.2662


 8.2611, 0.3739,
0.2256


 65.0720, 0.3460,
0.2718

 4.2625, 0.3860,
0.2061


 86.4885, 0.3432,
0.2765

 1.8214, 0.4039,
0.1778

 112.1533, 0.3409,
0.2805

 0.5005, 0.4380,
0.1232

142.4509, 0.3389,
0.2840

 0.0000, 0.5481,
0.0000

177.7657, 0.3371,

 0.0000, 0.0000,

0.2870

0.0000

218.4820, 0.3356,
0.2896

■ 22.4687, 0.3586,
0.2508

■ 22.4687, 0.3586,
0.2508

■ 19.0396, 0.3724,
0.2367

■ 26.7692, 0.3462,
0.2666

■ 16.4170, 0.3874,
0.2255

■ 31.9933, 0.3354,
0.2833

■ 14.5325, 0.4032,
0.2182

■ 38.1931, 0.3261,
0.3000

■ 13.3043, 0.4192,
0.2156

■ 45.4156, 0.3182,
0.3162

■ 12.6047, 0.4348,
0.2179

■ 53.7050, 0.3116,
0.3317

■ 12.4984, 0.4377,
0.2185

■ 63.1028, 0.3060,
0.3463

■ 73.6481, 0.3014,
0.3598

■ 85.3784, 0.2975,
0.3723

■ 87.7525, 0.2939,
0.3677

Harmonies

Analogous

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



22.4687, 0.2747, 0.2166



22.4687, 0.3586, 0.2508



22.4687, 0.4372, 0.3012

Triad

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



22.4687, 0.3586, 0.2508



22.4687, 0.4084, 0.4693



22.4687, 0.1726, 0.2636

Complementary

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



22.4687, 0.3586, 0.2508



41.5955, 0.2854, 0.4247

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.



22.4687, 0.1985, 0.3420



22.4687, 0.3586, 0.2508



22.4687, 0.3325, 0.4814

Square

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



22.4687, 0.3586, 0.2508



22.4687, 0.4629, 0.4198



22.4687, 0.2556, 0.4315



22.4687, 0.1776, 0.2184

Rectangle

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



22.4687, 0.3586, 0.2508



22.4687, 0.4692, 0.3398



22.4687, 0.2556, 0.4315



22.4687, 0.1777, 0.2864

Sweetspot

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



22.4698, 0.3586, 0.2508



73.2799, 0.3229, 0.3065



17.5243, 0.2521, 0.1900



15.4903, 0.3246, 0.3029



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.



22.4698, 0.3586, 0.2508



33.6954, 0.3735, 0.2358



21.1885, 0.4239, 0.3105



9.6366, 0.3191, 0.3144



8.2261, 0.4357, 0.2174



0.3343, 0.4016, 0.1986

Inverse Universe

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



22.4698, 0.3586, 0.2508



33.6954, 0.3735, 0.2358



43.1126, 0.2576, 0.3499



9.6366, 0.3191, 0.3144



8.2261, 0.4357, 0.2174



0.3343, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 22.4687, 0.3586, 0.2508 looks on a white background.

Color Contrast Check

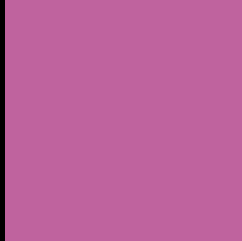
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4687, 0.3586, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

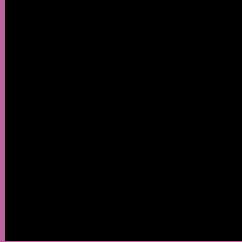
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4687, 0.3586, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 22.4687, 0.3586, 0.2508.



This preview shows how white text looks on a background with the Yxy color 22.4687, 0.3586, 0.2508.

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

22.4687, 0.3586, 0.2508

Protanopia

22.7088, 0.2522, 0.2459

Deuteranopia

22.7248, 0.2923, 0.2870



Tritanopia

22.5509, 0.4091, 0.3180

Trichromacy



Original Color

22.4687, 0.3586, 0.2508

Protanomaly

21.7751, 0.2840, 0.2449

Deuteranomaly

21.9592, 0.3143, 0.2696

Tritanomaly

22.4332, 0.3904, 0.2931

Monochromacy



Original Color

22.4687, 0.3586, 0.2508

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.4978, 0.3289, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4687, 0.3586, 0.2508 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, 99, 158)` looks like.

```
.text, #text, p{  
    color:rgb(191, 99, 158)  
}
```

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, 99, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 99, 158) }
```

Border

The CSS property to change the border of an element to Yxy 22.4687, 0.3586, 0.2508 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, 99, 158) }
```

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

```
.border{ border-color:rgb(191, 99, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 99, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 99, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 99, 158);  
box-shadow:4px 4px 4px 4px rgb(191, 99,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4687, 0.3586, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 99, 158) }
```

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

```
.background{ background-color: rgb(191, 99,  
158) }
```

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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