

Converting Colors

$Y_{xy}(23.1192, 0.3522, 0.2564)$

Have a look what the booklet for
Yxy(23.1192, 0.3522, 0.2564)
contains.

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Color

Yxy(23.1366, 0.3524, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	BB699E
RGB	187, 105, 158
RGB Percent	73%, 41%, 62%
CMY	0.2667, 0.5882, 0.3804
CMYK	0.00, 0.44, 0.15, 0.27
HSL	321°, 38%, 57%
HSV	321°, 44%, 73%
XYZ	31.7127, 23.1366, 35.1414
YIQ	135.5600, 31.8590, 33.8670

Conversions

Conversions Part 2

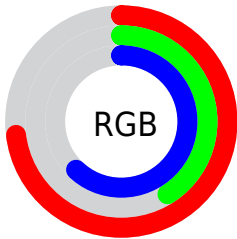
Format	Color
R _Y B	187, 105, 158
Decimal	12282270
CIE Lab	55.21, 39.84, -14.41
CIE LCh	55, 42.365, 340.118
Yxy	23.1366, 0.3524, 0.2571
Android (android.graphics.Color)	4290472350 (0xFFBB699E)
YUV	135.5600, 11.0629, 45.1129
Hunter-Lab	48.1005, 33.5093, -9.6458

Details

The Yxy color $23.1366, 0.3524, 0.2571$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $40.2575, 0.2876, 0.4150$, and the grayscale version is $24.3980, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.6703, 0.3445, 0.2709$, and $8.6054, 0.3650, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $19.5160, 0.3654, 0.2420$, and if you desaturate by 10%, it is $27.6089, 0.3409, 0.2735$.

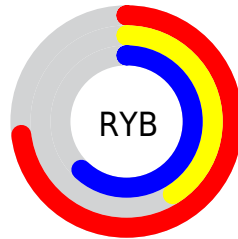
Distribution



Red (73%)

Green (41%)

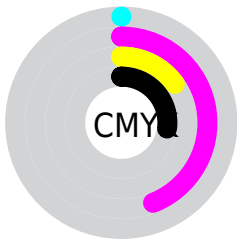
Blue (62%)



Red (73%)

Yellow (41%)

Blue (62%)

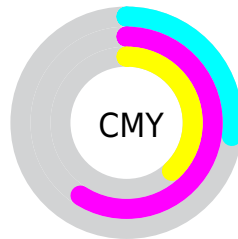


Cyan (0%)

Magenta (44%)

Yellow (15%)

Black (27%)



Cyan (27%)


Magenta (59%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1366, 0.3524, 0.2571 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 23.1366, 0.3524, 0.2571 by changing the saturation by 10% instead.


 23.1366, 0.3524,
0.2571


 23.1366, 0.3524,
0.2571


268.4258, 0.3314,
0.2949


 14.6944, 0.3581,
0.2471


 48.6175, 0.3445,
0.2713


 8.6052, 0.3656,
0.2338


 66.4250, 0.3416,
0.2765

 4.4846, 0.3760,
0.2156


 88.1231, 0.3392,
0.2808

 1.9482, 0.3914,
0.1891

 114.0962, 0.3371,
0.2845

 0.5771, 0.4195,
0.1407

144.7286, 0.3354,
0.2877

 0.0000, 0.5215,
0.0000

180.4047, 0.3339,

 0.0000, 0.0000,

0.2904

0.0000

221.5090, 0.3325,
0.2928

■ 23.1366, 0.3524,
0.2571

■ 23.1366, 0.3524,
0.2571

■ 19.5160, 0.3654,
0.2420

■ 27.6089, 0.3409,
0.2735

■ 16.6884, 0.3796,
0.2293

■ 32.9805, 0.3309,
0.2903

■ 14.5923, 0.3948,
0.2200


■ 39.2988, 0.3224,
0.3070


■ 13.1560, 0.4104,
0.2152


■ 46.6075, 0.3152,
0.3231

■ 12.2931, 0.4259,
0.2154


■ 54.9471, 0.3091,
0.3383

 11.9394, 0.4354,
0.2172

 64.3561, 0.3040,
0.3525

 74.8709, 0.2998,
0.3656

 86.5261, 0.2963,
0.3777

 87.1181, 0.2928,
0.3705

Harmonies

Analogous

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



23.1366, 0.2773, 0.2260



23.1366, 0.3524, 0.2571



23.1366, 0.4227, 0.3034

Triad

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



23.1366, 0.3524, 0.2571



23.1366, 0.4020, 0.4553



23.1366, 0.1854, 0.2726

Complementary

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



23.1366, 0.3524, 0.2571



40.2575, 0.2876, 0.4150

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.



23.1366, 0.2106, 0.3434



23.1366, 0.3524, 0.2571



23.1366, 0.3338, 0.4644

Square

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



23.1366, 0.3524, 0.2571



23.1366, 0.4495, 0.4121



23.1366, 0.2637, 0.4210



23.1366, 0.1890, 0.2297

Rectangle

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



23.1366, 0.3524, 0.2571



23.1366, 0.4521, 0.3391



23.1366, 0.2637, 0.4210



23.1366, 0.1905, 0.2935

Sweetspot

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



23.1377, 0.3524, 0.2571



71.1656, 0.3219, 0.3080



18.7380, 0.2590, 0.2039



15.0795, 0.3237, 0.3044



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.



23.1377, 0.3524, 0.2571



34.9484, 0.3654, 0.2420



21.9608, 0.4088, 0.3120



9.6374, 0.3190, 0.3143



8.2425, 0.4337, 0.2163



0.3349, 0.4002, 0.1978

Inverse Universe

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



23.1377, 0.3524, 0.2571



34.9484, 0.3654, 0.2420



41.6191, 0.2615, 0.3477



9.6374, 0.3190, 0.3143



8.2425, 0.4337, 0.2163



0.3349, 0.4002, 0.1978

Previews

White Background



This preview shows how the Yxy color 23.1366, 0.3524, 0.2571 looks on a white background.

Color Contrast Check

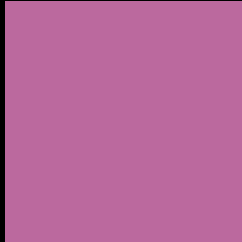
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1366, 0.3524, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

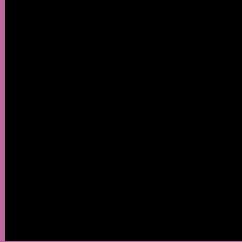
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1366, 0.3524, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 23.1366, 0.3524, 0.2571.



This preview shows how white text looks on a background with the Yxy color 23.1366, 0.3524, 0.2571.

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

23.1366, 0.3524, 0.2571

Protanopia

23.3603, 0.2593, 0.2556

Deuteranopia

23.1845, 0.2935, 0.2874



Tritanopia

23.0361, 0.3951, 0.3163

Trichromacy



Original Color

23.1366, 0.3524, 0.2571

Protanomaly

22.7129, 0.2882, 0.2555

Deuteranomaly

22.6695, 0.3141, 0.2743

Tritanomaly

22.8489, 0.3797, 0.2937

Monochromacy



Original Color

23.1366, 0.3524, 0.2571

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.6494, 0.3272, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1366, 0.3524, 0.2571 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(187, 105, 158)` looks like.

```
.text, #text, p{  
    color:rgb(187, 105, 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(187, 105, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 105, 158) }
```

Border

The CSS property to change the border of an element to Yxy 23.1366, 0.3524, 0.2571 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(187, 105, 158) }
```

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

```
.border{ border-color:rgb(187, 105, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 105, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 105, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 105, 158);  
box-shadow:4px 4px 4px 4px rgb(187, 105,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1366, 0.3524, 0.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 105, 158) }
```

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

```
.background{ background-color: rgb(187,  
105, 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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