

Converting Colors

$Y_{xy}(23.9012, 0.3658, 0.2563)$

Have a look what the booklet for
Yxy(23.9012, 0.3658, 0.2563)
contains.

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Color

Yxy(23.9771, 0.3664, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	C6669E
RGB	198, 102, 158
RGB Percent	78%, 40%, 62%
CMY	0.2236, 0.6000, 0.3803
CMYK	0.00, 0.48, 0.20, 0.22
HSL	325°, 46%, 59%
HSV	325°, 48%, 78%
XYZ	34.2103, 23.9771, 35.1814
YIQ	137.0880, 39.2400, 37.7680

Conversions

Conversions Part 2

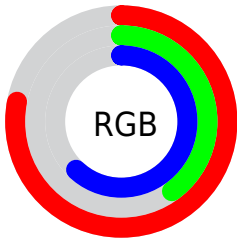
Format	Color
R _Y B	198, 102, 158
Decimal	13002398
CIE Lab	56.06, 45.04, -12.99
CIE LCh	56, 46.878, 343.912
Yxy	23.9771, 0.3664, 0.2568
Android (android.graphics.Color)	4291192478 (0xFFC6669E)
YUV	137.0880, 10.3096, 53.4198
Hunter-Lab	48.9664, 39.0175, -8.3221

Details

The Yxy color $23.9771, 0.3664, 0.2568$ is a light color, and the websafe version is hex $CC6699$. A complement of this color would be $45.1601, 0.2818, 0.4166$, and the grayscale version is $25.0019, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8410, 0.3538, 0.2707$, and $9.0935, 0.3841, 0.2336$ is the 20% darker color. If you saturate the color by 10%, you get $20.2655, 0.3829, 0.2440$, and if you desaturate by 10%, it is $28.6393, 0.3518, 0.2714$.

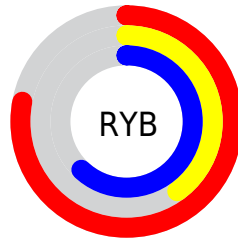
Distribution



Red (78%)

Green (40%)

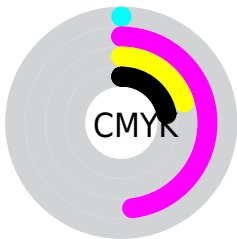
Blue (62%)



Red (78%)

Yellow (40%)

Blue (62%)

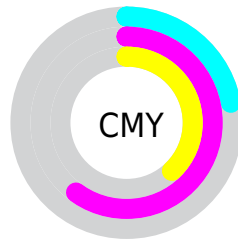


Cyan (0%)

Magenta (48%)

Yellow (20%)

Black (22%)



Cyan (22%)


Magenta (60%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9771, 0.3664, 0.2568 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 23.9771, 0.3664, 0.2568 by changing the saturation by 10% instead.


 23.9771, 0.3664,
0.2568


 23.9771, 0.3664,
0.2568


272.7047, 0.3378,
0.2946


 15.3166, 0.3742,
0.2468


 49.9928, 0.3555,
0.2709


 9.0419, 0.3845,
0.2337


 68.1169, 0.3516,
0.2761

 4.7685, 0.3991,
0.2158


 90.1643, 0.3483,
0.2805

 2.1121, 0.4207,
0.1899

 116.5193, 0.3456,
0.2842

 0.6714, 0.4577,
0.1468

147.5665, 0.3432,
0.2873

 0.0000, 0.6124,
0.0000

183.6902, 0.3411,

 0.0000, 0.0000,

0.2901

0.0000

225.2748, 0.3393,
0.2925

■ 23.9771, 0.3664,
0.2568

■ 23.9771, 0.3664,
0.2568

■ 20.2655, 0.3829,
0.2440

■ 28.6393, 0.3518,
0.2714

■ 17.4333, 0.4010,
0.2340

■ 34.3096, 0.3391,
0.2867

■ 15.4053, 0.4202,
0.2280


■ 41.0450, 0.3283,
0.3020

■ 14.0912, 0.4396,
0.2270

■ 48.8971, 0.3192,
0.3169

■ 13.3491, 0.4587,
0.2309


■ 57.9144, 0.3116,
0.3311

 13.2543, 0.4616,
0.2317

 68.1421, 0.3053,
0.3444

 79.6234, 0.3001,
0.3567

 88.9047, 0.2956,
0.3625

 89.3629, 0.2912,
0.3534

Harmonies

Analogous

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



23.9771, 0.2834, 0.2212



23.9771, 0.3664, 0.2568



23.9771, 0.4406, 0.3076

Triad

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



23.9771, 0.3664, 0.2568



23.9771, 0.3998, 0.4699



23.9771, 0.1744, 0.2591

Complementary

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



23.9771, 0.3664, 0.2568



45.1601, 0.2818, 0.4166

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.



23.9771, 0.1967, 0.3329



23.9771, 0.3664, 0.2568



23.9771, 0.3244, 0.4756

Square

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



23.9771, 0.3664, 0.2568



23.9771, 0.4560, 0.4243



23.9771, 0.2500, 0.4209



23.9771, 0.1822, 0.2179

Rectangle

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



23.9771, 0.3664, 0.2568



23.9771, 0.4686, 0.3460



23.9771, 0.2500, 0.4209



23.9771, 0.1783, 0.2803

Sweetspot

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



23.9783, 0.3664, 0.2568



76.9931, 0.3252, 0.3069



19.1920, 0.2563, 0.1904



15.8689, 0.3273, 0.3037



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.



23.9783, 0.3664, 0.2568



35.6648, 0.3836, 0.2435



22.6701, 0.4323, 0.3167



10.7390, 0.3200, 0.3156



8.6382, 0.4592, 0.2303



0.4232, 0.4229, 0.2103

Inverse Universe

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



23.9783, 0.3664, 0.2568



35.6648, 0.3836, 0.2435



46.8554, 0.2546, 0.3429



10.7390, 0.3200, 0.3156



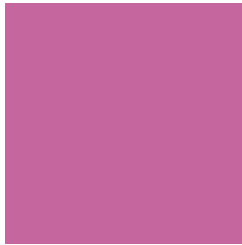
8.6382, 0.4592, 0.2303



0.4232, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 23.9771, 0.3664, 0.2568 looks on a white background.

Color Contrast Check

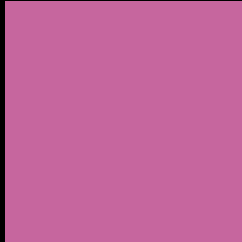
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9771, 0.3664, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

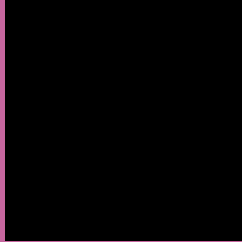
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9771, 0.3664, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 23.9771, 0.3664, 0.2568.



This preview shows how white text looks on a background with the Yxy color 23.9771, 0.3664, 0.2568.

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

23.9771, 0.3664, 0.2568

Protanopia

24.2079, 0.2584, 0.2537

Deuteranopia

24.0215, 0.2989, 0.2929



Tritanopia

23.9292, 0.4138, 0.3184

Trichromacy



Original Color

23.9771, 0.3664, 0.2568

Protanomaly

23.3817, 0.2918, 0.2528

Deuteranomaly

23.2731, 0.3212, 0.2755

Tritanomaly

23.8109, 0.3955, 0.2943

Monochromacy



Original Color

23.9771, 0.3664, 0.2568

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.8306, 0.3309, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9771, 0.3664, 0.2568 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(198, 102, 158)` looks like.

```
.text, #text, p{  
    color:rgb(198, 102, 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(198, 102, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 102, 158) }
```

Border

The CSS property to change the border of an element to Yxy 23.9771, 0.3664, 0.2568 is called "border". The border property can be set on classes, ids or directly on the HTML element.

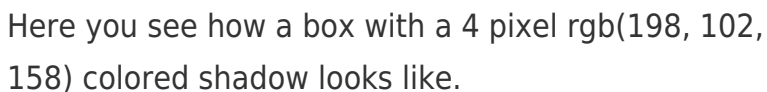
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 102, 158) }
```

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

```
.border{ border-color:rgb(198, 102, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 102, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 102, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 102, 158);  
box-shadow:4px 4px 4px 4px rgb(198, 102,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9771, 0.3664, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 102, 158) }
```

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

```
.background{ background-color: rgb(198,  
102, 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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