

Converting Colors

$Y_{xy}(23.4741, 0.3701, 0.2637)$

Have a look what the booklet for
Yxy(23.4741, 0.3701, 0.2637)
contains.

Yxy(23.5696, 0.3706, 0.2645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.5696, 0.3706, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	C36798
RGB	195, 103, 152
RGB Percent	76%, 40%, 60%
CMY	0.2353, 0.5961, 0.4039
CMYK	0.00, 0.47, 0.22, 0.24
HSL	328°, 43%, 58%
HSV	328°, 47%, 76%
XYZ	33.0242, 23.5696, 32.5162
YIQ	136.0940, 39.1030, 34.7430

Conversions

Conversions Part 2

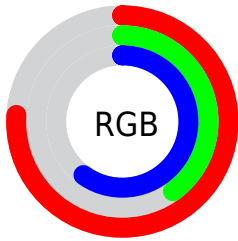
Format	Color
R _Y B	195, 103, 152
Decimal	12806040
CIE Lab	55.65, 42.65, -10.14
CIE LCh	56, 43.842, 346.625
Yxy	23.5696, 0.3706, 0.2645
Android (android.graphics.Color)	4290996120 (0xFFC36798)
YUV	136.0940, 7.8417, 51.6606
Hunter-Lab	48.5485, 36.4611, -5.7266

Details

The Yxy color **23.5696, 0.3706, 0.2645** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.9907, 0.2796, 0.4059**, and the grayscale version is **24.6174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1158, 0.3586, 0.2772**, and **8.7962, 0.3913, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **19.8461, 0.3892, 0.2525**, and if you desaturate by 10%, it is **28.2229, 0.3543, 0.2780**.

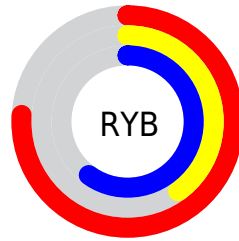
Distribution



Red (76%)

Green (40%)

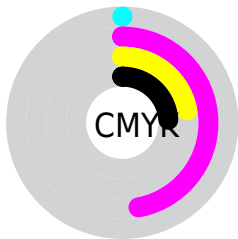
Blue (60%)



Red (76%)

Yellow (40%)

Blue (60%)

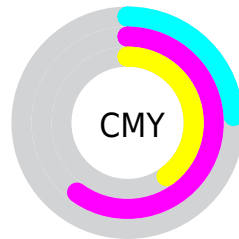


Cyan (0%)

Magenta (47%)

Yellow (22%)

Black (24%)



Cyan (24%)


Magenta (60%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5696, 0.3706, 0.2645 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 23.5696, 0.3706, 0.2645 by changing the saturation by 10% instead.


 23.5696, 0.3706,
0.2645


 23.5696, 0.3706,
0.2645


270.6372, 0.3393,
0.2987


 15.0147, 0.3793,
0.2553


 49.3269, 0.3586,
0.2774

 8.8297, 0.3910,
0.2431


 67.2981, 0.3543,
0.2821

 4.6303, 0.4076,
0.2263


 89.1768, 0.3507,
0.2860

 2.0320, 0.4329,
0.2014

 115.3475, 0.3477,
0.2893

 0.6260, 0.4787,
0.1567

146.1944, 0.3451,
0.2922

 0.0000, 0.7592,
0.0000

182.1021, 0.3429,

 0.0000, 0.0000,

0.2946

0.0000

223.4549, 0.3410,
0.2968

■ 23.5696, 0.3706,
0.2645

■ 23.5696, 0.3706,
0.2645

■ 19.8461, 0.3892,
0.2525

■ 28.2229, 0.3543,
0.2780

■ 16.9846, 0.4098,
0.2431

■ 33.8607, 0.3404,
0.2921

■ 14.9136, 0.4319,
0.2376

■ 40.5374, 0.3286,
0.3061

■ 13.5483, 0.4545,
0.2370

■ 48.3027, 0.3188,
0.3197

■ 12.7716, 0.4766,
0.2416

■ 57.2027, 0.3106,
0.3325

■ 12.5992, 0.4829,
0.2434

■ 67.2812, 0.3038,
0.3445

■ 78.5793, 0.2982,
0.3556

■ 88.5542, 0.2934,
0.3616

■ 89.0647, 0.2886,
0.3515

Harmonies

Analogous

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



23.5696, 0.2920, 0.2288



23.5696, 0.3706, 0.2645



23.5696, 0.4378, 0.3142

Triad

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



23.5696, 0.3706, 0.2645



23.5696, 0.3900, 0.4646



23.5696, 0.1807, 0.2587

Complementary

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



23.5696, 0.3706, 0.2645



43.9907, 0.2796, 0.4059

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.



23.5696, 0.1998, 0.3259



23.5696, 0.3706, 0.2645



23.5696, 0.3179, 0.4637

Square

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



23.5696, 0.3706, 0.2645



23.5696, 0.4451, 0.4250



23.5696, 0.2483, 0.4081



23.5696, 0.1906, 0.2217

Rectangle

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



23.5696, 0.3706, 0.2645



23.5696, 0.4614, 0.3512



23.5696, 0.2483, 0.4081



23.5696, 0.1838, 0.2779

Sweetspot

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



23.5707, 0.3706, 0.2645



76.5126, 0.3255, 0.3102



19.7465, 0.2646, 0.1968



16.1156, 0.3278, 0.3072



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.



23.5707, 0.3706, 0.2645



35.1329, 0.3906, 0.2517



22.3456, 0.4362, 0.3253



10.1656, 0.3208, 0.3168



8.2057, 0.4801, 0.2418



0.3684, 0.4352, 0.2171

Inverse Universe

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



23.5707, 0.3706, 0.2645



35.1329, 0.3906, 0.2517



45.7183, 0.2524, 0.3333



10.1656, 0.3208, 0.3168



8.2057, 0.4801, 0.2418



0.3684, 0.4352, 0.2171

Previews

White Background



This preview shows how the Yxy color 23.5696, 0.3706, 0.2645 looks on a white background.

Color Contrast Check

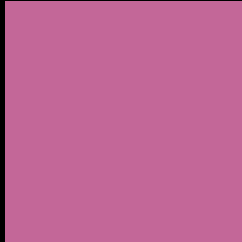
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5696, 0.3706, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

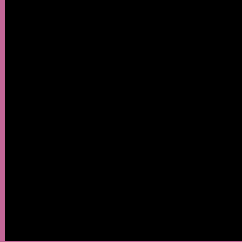
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5696, 0.3706, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 23.5696, 0.3706, 0.2645.



This preview shows how white text looks on a background with the Yxy color 23.5696, 0.3706, 0.2645.

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

23.5696, 0.3706, 0.2645

Protanopia

23.7662, 0.2664, 0.2637

Deuteranopia

23.7346, 0.3072, 0.3009



Tritanopia

23.6663, 0.4114, 0.3183

Trichromacy



Original Color

23.5696, 0.3706, 0.2645

Protanomaly

22.8754, 0.2988, 0.2608

Deuteranomaly

23.1799, 0.3293, 0.2844

Tritanomaly

23.4646, 0.3972, 0.2980

Monochromacy



Original Color

23.5696, 0.3706, 0.2645

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.5364, 0.3320, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5696, 0.3706, 0.2645 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(195, 103, 152)` looks like.

```
.text, #text, p{  
    color:rgb(195, 103, 152)  
}
```

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(195, 103, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 103, 152) }
```

Border

The CSS property to change the border of an element to Yxy 23.5696, 0.3706, 0.2645 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(195, 103, 152) }
```

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

```
.border{ border-color:rgb(195, 103, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 103, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 103, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 103, 152);  
box-shadow:4px 4px 4px 4px rgb(195, 103,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5696, 0.3706, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 103, 152) }
```

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

```
.background{ background-color: rgb(195,  
103, 152) }
```

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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