

Converting Colors

$Y_{xy}(23.3937, 0.3407, 0.2237)$

Have a look what the booklet for
Yxy(23.3937, 0.3407, 0.2237)
contains.

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Color

Yxy(23.3065, 0.3395, 0.2227)

Conversions

Conversions Part 1

Format	Color
Hex	C65EB4
RGB	198, 94, 180
RGB Percent	78%, 37%, 71%
CMY	0.2236, 0.6314, 0.2940
CMYK	0.00, 0.53, 0.09, 0.22
HSL	310°, 48%, 57%
HSV	310°, 53%, 78%
XYZ	35.5301, 23.3065, 45.8176
YIQ	134.9000, 34.3780, 48.7940

Conversions

Conversions Part 2

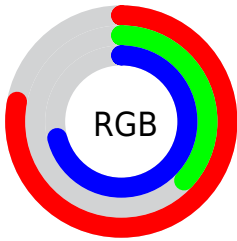
Format	Color
R _Y B	198, 94, 180
Decimal	13000372
CIE Lab	55.39, 52.48, -26.79
CIE LCh	55, 58.925, 332.956
Yxy	23.3065, 0.3395, 0.2227
Android (android.graphics.Color)	4291190452 (0xFFC65EB4)
YUV	134.9000, 22.2343, 55.3387
Hunter-Lab	48.2768, 46.8856, -22.4761

Details

The Yxy color **23.3065, 0.3395, 0.2227** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **43.9349, 0.2950, 0.4673**, and the grayscale version is **24.0972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4959, 0.3338, 0.2417**, and **8.7341, 0.3462, 0.1925** is the 20% darker color. If you saturate the color by 10%, you get **20.0885, 0.3461, 0.2066**, and if you desaturate by 10%, it is **27.4331, 0.3333, 0.2414**.

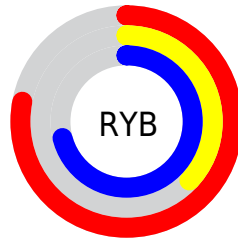
Distribution



Red (78%)

Green (37%)

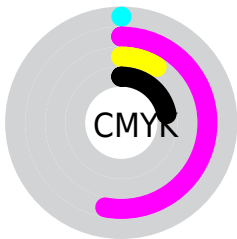
Blue (71%)



Red (78%)

Yellow (37%)

Blue (71%)

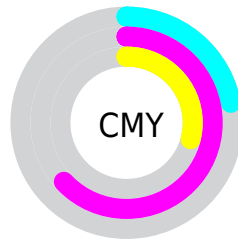


Cyan (0%)

Magenta (53%)

Yellow (9%)

Black (22%)



Cyan (22%)


Magenta (63%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3065, 0.3395, 0.2227 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 23.3065, 0.3395, 0.2227 by changing the saturation by 10% instead.


 23.3065, 0.3395,
0.2227


 23.3065, 0.3395,
0.2227


269.2954, 0.3269,
0.2765


 14.8200, 0.3423,
0.2093


 48.8961, 0.3351,
0.2423


 8.6931, 0.3456,
0.1922


 66.7680, 0.3334,
0.2496

 4.5416, 0.3496,
0.1697


 88.5371, 0.3320,
0.2559

 1.9809, 0.3539,
0.1393

 114.5879, 0.3307,
0.2612

 0.5963, 0.3591,
0.0930

145.3047, 0.3295,
0.2658

 0.0000, 0.3688,
0.0000

181.0720, 0.3286,

 0.0000, 0.0000,

0.2698

0.0000

222.2741, 0.3277,
0.2733

■ 23.3065, 0.3395,
0.2227

■ 23.3065, 0.3395,
0.2227

■ 20.0885, 0.3461,
0.2066

■ 27.4331, 0.3333,
0.2414

■ 17.7054, 0.3528,
0.1941

■ 32.5282, 0.3275,
0.2617

■ 16.0772, 0.3594,
0.1857

■ 38.6502, 0.3223,
0.2827

■ 15.1067, 0.3658,
0.1819

■ 45.8522, 0.3177,
0.3036

■ 14.6772, 0.3704,
0.1814

■ 54.1834, 0.3136,
0.3240

■ 63.6901, 0.3102,
0.3434

■ 74.4159, 0.3072,
0.3616

■ 86.4024, 0.3047,
0.3786

■ 88.2191, 0.3027,
0.3773

Harmonies

Analogous

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



23.3065, 0.2424, 0.1895



23.3065, 0.3395, 0.2227



23.3065, 0.4442, 0.2765

Triad

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



23.3065, 0.3395, 0.2227



23.3065, 0.4441, 0.4814



23.3065, 0.1502, 0.2672

Complementary

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



23.3065, 0.3395, 0.2227



43.9349, 0.2950, 0.4673

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.



23.3065, 0.1880, 0.3739



23.3065, 0.3395, 0.2227



23.3065, 0.3565, 0.5218

Square

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



23.3065, 0.3395, 0.2227



23.3065, 0.5032, 0.4121



23.3065, 0.2628, 0.4846



23.3065, 0.1481, 0.2048

Rectangle

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



23.3065, 0.3395, 0.2227



23.3065, 0.4938, 0.3192



23.3065, 0.2628, 0.4846



23.3065, 0.1585, 0.2984

Sweetspot

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



23.3076, 0.3395, 0.2227



76.2286, 0.3193, 0.2959



15.4848, 0.2270, 0.1691



15.7437, 0.3203, 0.2915



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.



23.3076, 0.3395, 0.2227



34.8869, 0.3470, 0.2046



21.5876, 0.4110, 0.2841



10.7839, 0.3164, 0.3101



9.5568, 0.3696, 0.1810



0.4610, 0.3578, 0.1745

Inverse Universe

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



23.3076, 0.3395, 0.2227



34.8869, 0.3470, 0.2046



45.4218, 0.2648, 0.3824



10.7839, 0.3164, 0.3101



9.5568, 0.3696, 0.1810



0.4610, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 23.3065, 0.3395, 0.2227 looks on a white background.

Color Contrast Check

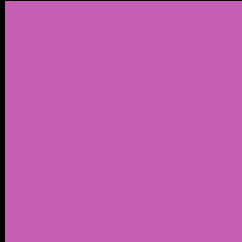
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3065, 0.3395, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

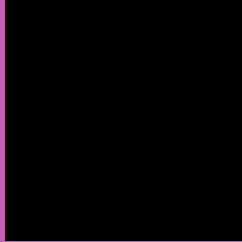
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3065, 0.3395, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 23.3065, 0.3395, 0.2227.



This preview shows how white text looks on a background with the Yxy color 23.3065, 0.3395, 0.2227.

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

23.3065, 0.3395, 0.2227

Protanopia

23.7791, 0.2248, 0.2110

Deuteranopia

23.5737, 0.2646, 0.2591



Tritanopia

23.2980, 0.4121, 0.3183

Trichromacy



Original Color

23.3065, 0.3395, 0.2227



Protanomaly

22.4374, 0.2564, 0.2118



Deuteranomaly

22.6708, 0.2888, 0.2418



Tritanomaly

23.2634, 0.3856, 0.2809

Monochromacy



Original Color

23.3065, 0.3395, 0.2227



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.9364, 0.3234, 0.2809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3065, 0.3395, 0.2227 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, 94, 180)` looks like.

```
.text, #text, p{  
    color:rgb(198, 94, 180)  
}
```

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, 94, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 94, 180) }
```

Border

The CSS property to change the border of an element to Yxy 23.3065, 0.3395, 0.2227 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, 94, 180) }
```

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

```
.border{ border-color:rgb(198, 94, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 94, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 94, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 94, 180);  
box-shadow:4px 4px 4px 4px rgb(198, 94,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3065, 0.3395, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 94, 180) }
```

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

```
.background{ background-color: rgb(198, 94,  
180) }
```

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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