

Converting Colors

$Y_{xy}(23.2372, 0.3514, 0.2106)$

Have a look what the booklet for
Yxy(23.2372, 0.3514, 0.2106)
contains.

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Color

Yxy(23.2372, 0.3514, 0.2106)

Conversions

Conversions Part 1

Format	Color
Hex	D450B9
RGB	212, 80, 185
RGB Percent	83%, 31%, 73%
CMY	0.1687, 0.6862, 0.2746
CMYK	0.00, 0.62, 0.13, 0.17
HSL	312°, 61%, 57%
HSV	312°, 62%, 83%
XYZ	38.7728, 23.2372, 48.3281
YIQ	131.4380, 44.9670, 60.6390

Conversions

Conversions Part 2

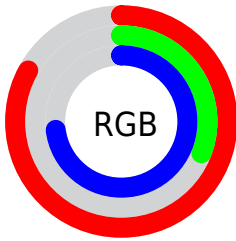
Format	Color
R _Y B	212, 80, 185
Decimal	13914297
CIE Lab	55.32, 63.43, -29.60
CIE LCh	55, 69.995, 334.981
Yxy	23.2372, 0.3514, 0.2106
Android (android.graphics.Color)	4292104377 (0xFFD450B9)
YUV	131.4380, 26.4061, 70.6529
Hunter-Lab	48.2050, 59.2145, -25.6979

Details

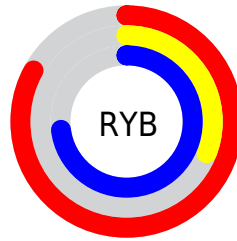
The Yxy color **23.2372, 0.3514, 0.2106** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **49.8508, 0.2912, 0.4919**, and the grayscale version is **22.7564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5022, 0.3302, 0.2274**, and **8.6662, 0.3598, 0.1776** is the 20% darker color. If you saturate the color by 10%, you get **20.4270, 0.3595, 0.1984**, and if you desaturate by 10%, it is **27.0343, 0.3436, 0.2263**.

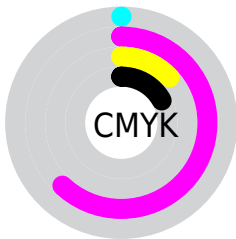
Distribution



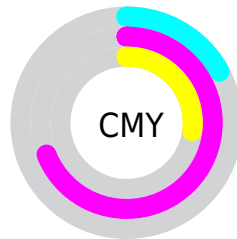
- Red (83%)
- Green (31%)
- Blue (73%)



- Red (83%)
- Yellow (31%)
- Blue (73%)



- Cyan (0%)
- Magenta (62%)
- Yellow (13%)
- Black (17%)




- Cyan (17%)
- Magenta (69%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2372, 0.3514, 0.2106 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 23.2372, 0.3514, 0.2106 by changing the saturation by 10% instead.


 23.2372, 0.3514,
0.2106


 23.2372, 0.3514,
0.2106


268.9410, 0.3329,
0.2696


 14.7688, 0.3556,
0.1962


 48.7825, 0.3449,
0.2318


 8.6573, 0.3608,
0.1782


 66.6282, 0.3424,
0.2399

 4.5183, 0.3670,
0.1548


 88.3684, 0.3403,
0.2467

 1.9675, 0.3745,
0.1241

 114.3875, 0.3384,
0.2525

 0.5885, 0.3842,
0.0794

145.0699, 0.3368,
0.2576

 0.0000, 0.3998,
0.0000

180.8000, 0.3353,

 0.0000, 0.0107,

0.2621

0.0000

221.9622, 0.3341,
0.2660

■ 0.0000, 0.0000,
0.0000

■ 23.2372, 0.3514,
0.2106

■ 23.2372, 0.3514,
0.2106

■ 20.4270, 0.3595,
0.1984

■ 27.0343, 0.3436,
0.2263

■ 18.5045, 0.3675,
0.1905

■ 31.8982, 0.3362,
0.2445

■ 17.3560, 0.3754,
0.1873

■ 37.9046, 0.3295,
0.2643

■ 16.8451, 0.3812,
0.1874

■ 45.1213, 0.3235,
0.2847

■ 53.6107, 0.3182,
0.3050

■ 63.4310, 0.3137,
0.3247

■ 74.6368, 0.3097,
0.3434

■ 87.2797, 0.3064,
0.3609

■ 90.8991, 0.3039,
0.3617

Harmonies

Analogous

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



23.2372, 0.2365, 0.1722



23.2372, 0.3514, 0.2106



23.2372, 0.4756, 0.2710

Triad

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



23.2372, 0.3514, 0.2106



23.2372, 0.4513, 0.5042



23.2372, 0.1262, 0.2468

Complementary

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



23.2372, 0.3514, 0.2106



49.8508, 0.2912, 0.4919

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.



23.2372, 0.1628, 0.3707



23.2372, 0.3514, 0.2106



23.2372, 0.3490, 0.5586

Square

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



23.2372, 0.3514, 0.2106



23.2372, 0.5271, 0.4209



23.2372, 0.2435, 0.5124



23.2372, 0.1277, 0.1820

Rectangle

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



23.2372, 0.3514, 0.2106



23.2372, 0.5305, 0.3179



23.2372, 0.2435, 0.5124



23.2372, 0.1337, 0.2814

Sweetspot

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



23.2383, 0.3514, 0.2106



72.2655, 0.3218, 0.2909



13.5837, 0.2114, 0.1384



14.7114, 0.3234, 0.2850



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.



23.2383, 0.3514, 0.2106



29.8489, 0.3623, 0.1951



21.0832, 0.4486, 0.2833



12.5871, 0.3169, 0.3106



10.4152, 0.3802, 0.1868



0.6395, 0.3680, 0.1801

Inverse Universe

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



23.2383, 0.3514, 0.2106



29.8489, 0.3623, 0.1951



51.7825, 0.2571, 0.3878



12.5871, 0.3169, 0.3106



10.4152, 0.3802, 0.1868



0.6395, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 23.2372, 0.3514, 0.2106 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 23.2372, 0.3514, 0.2106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

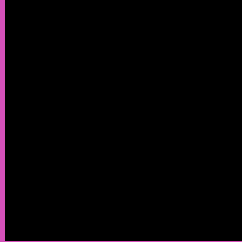
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2372, 0.3514, 0.2106

Background



This preview shows how black text looks on a background with the Yxy color 23.2372, 0.3514, 0.2106.



This preview shows how white text looks on a background with the Yxy color 23.2372, 0.3514, 0.2106.

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

23.2372, 0.3514, 0.2106

Protanopia

23.7316, 0.2090, 0.1898

Deuteranopia

23.5445, 0.2603, 0.2546



Tritanopia

23.2274, 0.4452, 0.3206

Trichromacy



Original Color

23.2372, 0.3514, 0.2106



Protanomaly

21.5257, 0.2440, 0.1896



Deuteranomaly

21.8522, 0.2889, 0.2292



Tritanomaly

22.8717, 0.4114, 0.2760

Monochromacy



Original Color

23.2372, 0.3514, 0.2106



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.2963, 0.3267, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2372, 0.3514, 0.2106 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(212, 80, 185)` looks like.

```
.text, #text, p{  
    color:rgb(212, 80, 185)  
}
```

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(212, 80, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 80, 185) }
```

Border

The CSS property to change the border of an element to Yxy 23.2372, 0.3514, 0.2106 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(212, 80, 185) }
```

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

```
.border{ border-color:rgb(212, 80, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 80, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 80, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 80, 185); box-shadow:4px 4px 4px 4px rgb(212, 80, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2372, 0.3514, 0.2106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 80, 185) }
```

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

```
.background{ background-color: rgb(212, 80,  
185) }
```

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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