

Converting Colors

$Y_{xy}(23.6737, 0.3737, 0.2354)$

Have a look what the booklet for
Yxy(23.6737, 0.3737, 0.2354)
contains.

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Color

Yxy(23.6035, 0.3743, 0.2354)

Conversions

Conversions Part 1

Format	Color
Hex	D457A7
RGB	212, 87, 167
RGB Percent	83%, 34%, 65%
CMY	0.1687, 0.6587, 0.3451
CMYK	0.00, 0.59, 0.21, 0.17
HSL	322°, 59%, 59%
HSV	322°, 59%, 83%
XYZ	37.5310, 23.6035, 39.1353
YIQ	133.4950, 48.8200, 51.3800

Conversions

Conversions Part 2

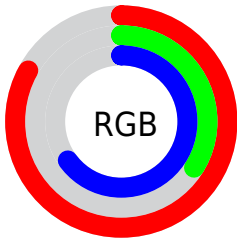
Format	Color
R _{YB}	212, 87, 167
Decimal	13916071
CIE Lab	55.69, 57.82, -18.60
CIE LCh	56, 60.736, 342.168
Yxy	23.6035, 0.3743, 0.2354
Android (android.graphics.Color)	4292106151 (0xFFD457A7)
YUV	133.4950, 16.5180, 68.8489
Hunter-Lab	48.5834, 52.8712, -13.7513

Details

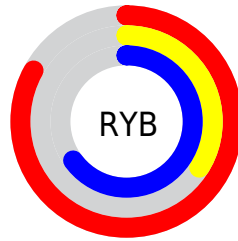
The Yxy color **23.6035, 0.3743, 0.2354** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **50.7728, 0.2815, 0.4518**, and the grayscale version is **23.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8799, 0.3473, 0.2486**, and **8.8466, 0.3934, 0.2073** is the 20% darker color. If you saturate the color by 10%, you get **20.3865, 0.3896, 0.2245**, and if you desaturate by 10%, it is **27.8471, 0.3602, 0.2493**.

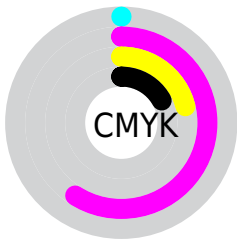
Distribution



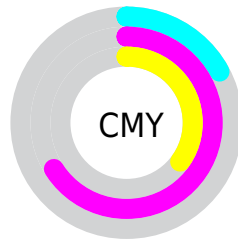
- Red (83%)
- Green (34%)
- Blue (65%)



- Red (83%)
- Yellow (34%)
- Blue (65%)



- Cyan (0%)
- Magenta (59%)
- Yellow (21%)
- Black (17%)





- Cyan (17%)
- Magenta (66%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6035, 0.3743, 0.2354 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 23.6035, 0.3743, 0.2354 by changing the saturation by 10% instead.


 23.6035, 0.3743,
0.2354


 23.6035, 0.3743,
0.2354

270.8097, 0.3421,
0.2834


 15.0398, 0.3828,
0.2232


 49.3824, 0.3623,
0.2531

 8.8473, 0.3939,
0.2074


 67.3663, 0.3579,
0.2596

 4.6417, 0.4090,
0.1863


 89.2591, 0.3542,
0.2651

 2.0386, 0.4307,
0.1572

 115.4452, 0.3510,
0.2699

 0.6298, 0.4659,
0.1114

146.3089, 0.3483,
0.2739

 0.0000, 0.5523,
0.0000

182.2346, 0.3460,

 0.0000, 0.0000,

0.2775

0.0000

223.6067, 0.3439,
0.2806

■ 23.6035, 0.3743,
0.2354

■ 23.6035, 0.3743,
0.2354

■ 20.3865, 0.3896,
0.2245

■ 27.8471, 0.3602,
0.2493

■ 18.1013, 0.4056,
0.2178

■ 33.1941, 0.3476,
0.2651

■ 16.6414, 0.4217,
0.2159

■ 39.7181, 0.3365,
0.2817

■ 15.8341, 0.4375,
0.2189

■ 47.4851, 0.3270,
0.2986

■ 15.7629, 0.4392,
0.2193

■ 56.5564, 0.3189,
0.3150

■ 66.9891, 0.3121,
0.3306

■ 78.8369, 0.3064,
0.3453

■ 91.1190, 0.3016,
0.3573

■ 91.5524, 0.2975,
0.3491

Harmonies

Analogous

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



23.6035, 0.2680, 0.1944



23.6035, 0.3743, 0.2354



23.6035, 0.4744, 0.2946

Triad

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



23.6035, 0.3743, 0.2354



23.6035, 0.4207, 0.5025



23.6035, 0.1427, 0.2408

Complementary

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



23.6035, 0.3743, 0.2354



50.7728, 0.2815, 0.4518

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.



23.6035, 0.1690, 0.3373



23.6035, 0.3743, 0.2354



23.6035, 0.3269, 0.5259

Square

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



23.6035, 0.3743, 0.2354



23.6035, 0.4931, 0.4354



23.6035, 0.2344, 0.4591



23.6035, 0.1508, 0.1911

Rectangle

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



23.6035, 0.3743, 0.2354



23.6035, 0.5119, 0.3394



23.6035, 0.2344, 0.4591



23.6035, 0.1473, 0.2676

Sweetspot

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



23.6047, 0.3743, 0.2354



73.1111, 0.3263, 0.2998



16.3788, 0.2341, 0.1558



14.8535, 0.3289, 0.2949



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.



23.6047, 0.3743, 0.2354



29.8607, 0.3940, 0.2222



21.8505, 0.4666, 0.3076



12.5533, 0.3192, 0.3142



9.7526, 0.4370, 0.2181



0.6038, 0.4118, 0.2042

Inverse Universe

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



23.6047, 0.3743, 0.2354



29.8607, 0.3940, 0.2222



52.9676, 0.2492, 0.3556



12.5533, 0.3192, 0.3142



9.7526, 0.4370, 0.2181



0.6038, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 23.6035, 0.3743, 0.2354 looks on a white background.

Color Contrast Check

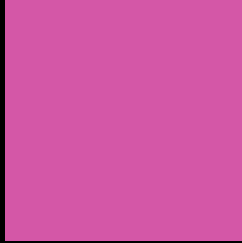
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6035, 0.3743, 0.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

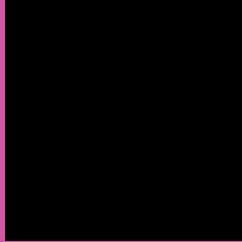
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6035, 0.3743, 0.2354

Background



This preview shows how black text looks on a background with the Yxy color 23.6035, 0.3743, 0.2354.



This preview shows how white text looks on a background with the Yxy color 23.6035, 0.3743, 0.2354.

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

23.6035, 0.3743, 0.2354

Protanopia

23.9877, 0.2345, 0.2241

Deuteranopia

23.8390, 0.2868, 0.2814



Tritanopia

23.5119, 0.4475, 0.3207

Trichromacy



Original Color

23.6035, 0.3743, 0.2354

Protanomaly

22.3247, 0.2732, 0.2230

Deuteranomaly

22.5872, 0.3149, 0.2573

Tritanomaly

23.3606, 0.4217, 0.2884

Monochromacy



Original Color

23.6035, 0.3743, 0.2354

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.4793, 0.3345, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6035, 0.3743, 0.2354 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, 87, 167)` looks like.

```
.text, #text, p{  
    color:rgb(212, 87, 167)  
}
```

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, 87, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 87, 167) }
```

Border

The CSS property to change the border of an element to Yxy 23.6035, 0.3743, 0.2354 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, 87, 167) }
```

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

```
.border{ border-color:rgb(212, 87, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 87, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 87, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 87, 167);  
box-shadow:4px 4px 4px 4px rgb(212, 87,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6035, 0.3743, 0.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 87, 167) }
```

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

```
.background{ background-color: rgb(212, 87,  
167) }
```

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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