

Converting Colors

$Y_{xy}(23.7515, 0.3548, 0.2156)$

Have a look what the booklet for
Yxy(23.7515, 0.3548, 0.2156)
contains.

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Color

Yxy(23.7515, 0.3548, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	D553B7
RGB	213, 83, 183
RGB Percent	84%, 33%, 72%
CMY	0.1646, 0.6746, 0.2823
CMYK	0.00, 0.61, 0.14, 0.16
HSL	314°, 61%, 58%
HSV	314°, 61%, 84%
XYZ	39.0864, 23.7515, 47.3267
YIQ	133.2700, 45.3800, 58.6600

Conversions

Conversions Part 2

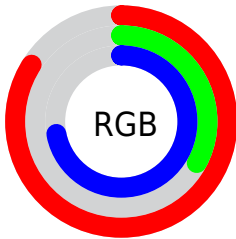
Format	Color
R _Y B	213, 83, 183
Decimal	13980599
CIE Lab	55.84, 62.17, -27.64
CIE LCh	56, 68.040, 336.031
Yxy	23.7515, 0.3548, 0.2156
Android (android.graphics.Color)	4292170679 (0xFFD553B7)
YUV	133.2700, 24.5169, 69.9232
Hunter-Lab	48.7355, 57.8718, -23.4613

Details

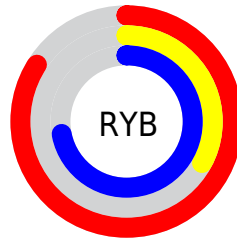
The Yxy color **23.7515, 0.3548, 0.2156** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **50.6310, 0.2896, 0.4832**, and the grayscale version is **23.4541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9572, 0.3318, 0.2309**, and **8.9219, 0.3650, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **20.7781, 0.3640, 0.2033**, and if you desaturate by 10%, it is **27.7353, 0.3460, 0.2313**.

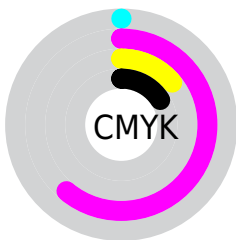
Distribution



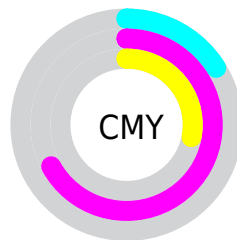
- Red (84%)
- Green (33%)
- Blue (72%)



- Red (84%)
- Yellow (33%)
- Blue (72%)



- Cyan (0%)
- Magenta (61%)
- Yellow (14%)
- Black (16%)





- Cyan (16%)
- Magenta (67%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7515, 0.3548, 0.2156 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 23.7515, 0.3548, 0.2156 by changing the saturation by 10% instead.


 23.7515, 0.3548,
0.2156


 23.7515, 0.3548,
0.2156

271.5617, 0.3343,
0.2722


 15.1494, 0.3596,
0.2017


 49.6244, 0.3475,
0.2360


 8.9243, 0.3657,
0.1842


 67.6639, 0.3447,
0.2438

 4.6918, 0.3732,
0.1615


 89.6181, 0.3423,
0.2503

 2.0676, 0.3828,
0.1313

 115.8712, 0.3403,
0.2559

 0.6463, 0.3957,
0.0881

146.8078, 0.3385,
0.2608

 0.0000, 0.4221,
0.0000

182.8121, 0.3369,

 0.0000, 0.1091,

0.2651

0.0000

224.2686, 0.3355,
0.2689

0.0000, 0.0000,
0.0000

23.7515, 0.3548,
0.2156

23.7515, 0.3548,
0.2156

20.7781, 0.3640,
0.2033

27.7353, 0.3460,
0.2313

18.7166, 0.3733,
0.1953

32.8092, 0.3378,
0.2493

17.4546, 0.3824,
0.1919

39.0489, 0.3304,
0.2686

16.8246, 0.3903,
0.1924

46.5222, 0.3238,
0.2885

55.2920, 0.3181,
0.3081

■ 65.4166, 0.3132,
0.3271

■ 76.9508, 0.3090,
0.3450

■ 89.9465, 0.3055,
0.3618

■ 91.2302, 0.3027,
0.3581

Harmonies

Analogous

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



23.7515, 0.2423, 0.1770



23.7515, 0.3548, 0.2156



23.7515, 0.4736, 0.2754

Triad

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



23.7515, 0.3548, 0.2156



23.7515, 0.4458, 0.5031



23.7515, 0.1305, 0.2469

Complementary

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



23.7515, 0.3548, 0.2156



50.6310, 0.2896, 0.4832

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.



23.7515, 0.1654, 0.3647



23.7515, 0.3548, 0.2156



23.7515, 0.3458, 0.5511

Square

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



23.7515, 0.3548, 0.2156



23.7515, 0.5199, 0.4232



23.7515, 0.2431, 0.5011



23.7515, 0.1328, 0.1849

Rectangle

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



23.7515, 0.3548, 0.2156



23.7515, 0.5251, 0.3218



23.7515, 0.2431, 0.5011



23.7515, 0.1375, 0.2799

Sweetspot

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



23.7526, 0.3548, 0.2156



73.4663, 0.3221, 0.2941



14.3789, 0.2154, 0.1428



14.9408, 0.3239, 0.2883



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.



23.7526, 0.3548, 0.2156



30.2528, 0.3665, 0.2007



21.6854, 0.4480, 0.2864



12.5814, 0.3173, 0.3112



10.2910, 0.3891, 0.1917



0.6329, 0.3749, 0.1839

Inverse Universe

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



23.7526, 0.3548, 0.2156



30.2528, 0.3665, 0.2007



52.5804, 0.2566, 0.3831



12.5814, 0.3173, 0.3112



10.2910, 0.3891, 0.1917



0.6329, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 23.7515, 0.3548, 0.2156 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 23.7515, 0.3548, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

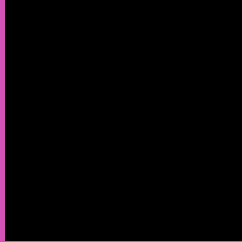
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7515, 0.3548, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 23.7515, 0.3548, 0.2156.



This preview shows how white text looks on a background with the Yxy color 23.7515, 0.3548, 0.2156.

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

23.7515, 0.3548, 0.2156

Protanopia

24.0479, 0.2139, 0.1961

Deuteranopia

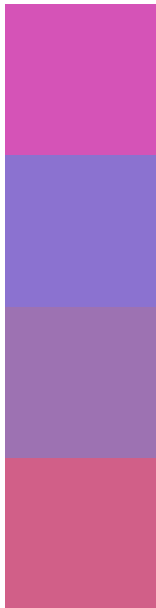
23.9576, 0.2649, 0.2596



Tritanopia

23.7287, 0.4454, 0.3206

Trichromacy



Original Color

23.7515, 0.3548, 0.2156

Protanomaly

22.0777, 0.2491, 0.1961

Deuteranomaly

22.4171, 0.2932, 0.2351

Tritanomaly

23.5173, 0.4130, 0.2788

Monochromacy



Original Color

23.7515, 0.3548, 0.2156

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.1772, 0.3288, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7515, 0.3548, 0.2156 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(213, 83, 183)` looks like.

```
.text, #text, p{  
    color:rgb(213, 83, 183)  
}
```

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(213, 83, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 83, 183) }
```

Border

The CSS property to change the border of an element to Yxy 23.7515, 0.3548, 0.2156 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(213, 83, 183) }
```

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

```
.border{ border-color:rgb(213, 83, 183) }
```

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

Here you see how a box with a 4 pixel rgb(213, 83, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 83, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 83, 183);  
box-shadow:4px 4px 4px 4px rgb(213, 83,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7515, 0.3548, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 83, 183) }
```

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

```
.background{ background-color: rgb(213, 83,  
183) }
```

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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