

Converting Colors

$Y_{xy}(23.6435, 0.3199, 0.1759)$

Have a look what the booklet for
Yxy(23.6435, 0.3199, 0.1759)
contains.

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Color

Yxy(23.6579, 0.3199, 0.1757)

Conversions

Conversions Part 1

Format	Color
Hex	D942D9
RGB	217, 66, 217
RGB Percent	85%, 26%, 85%
CMY	0.1492, 0.7409, 0.1492
CMYK	0.00, 0.70, 0.00, 0.15
HSL	300°, 66%, 55%
HSV	300°, 70%, 85%
XYZ	43.0743, 23.6579, 67.9172
YIQ	128.3630, 41.5250, 78.9730

Conversions

Conversions Part 2

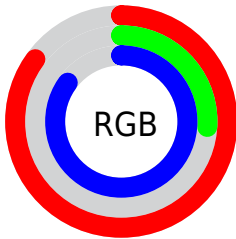
Format	Color
R _{YB}	217, 66, 217
Decimal	14238425
CIE Lab	55.74, 74.82, -47.19
CIE LCh	56, 88.456, 327.760
Yxy	23.6579, 0.3199, 0.1757
Android (android.graphics.Color)	4292428505 (0xFFD942D9)
YUV	128.3630, 43.6980, 77.7346
Hunter-Lab	48.6394, 72.9581, -48.7415

Details

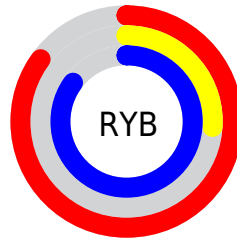
The Yxy color **23.6579, 0.3199, 0.1757** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **51.1630, 0.3023, 0.5515**, and the grayscale version is **21.5646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6587, 0.3184, 0.2079**, and **9.8423, 0.3163, 0.1516** is the 20% darker color. If you saturate the color by 10%, you get **21.5831, 0.3204, 0.1645**, and if you desaturate by 10%, it is **26.6962, 0.3192, 0.1911**.

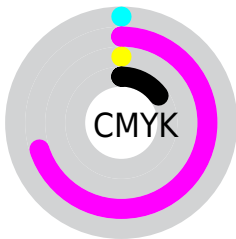
Distribution



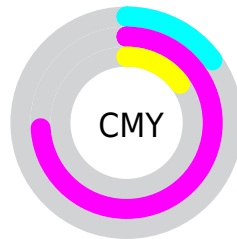
- Red (85%)
- Green (26%)
- Blue (85%)



- Red (85%)
- Yellow (26%)
- Blue (85%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (15%)




- Cyan (15%)
- Magenta (74%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6579, 0.3199, 0.1757 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 23.6579, 0.3199, 0.1757 by changing the saturation by 10% instead.

 23.6579, 0.3199,
0.1757


 23.6579, 0.3199,
0.1757


271.0863, 0.3202,
0.2481


 15.0800, 0.3186,
0.1594


 49.4714, 0.3209,
0.2007


 8.8756, 0.3164,
0.1398


 67.4758, 0.3210,
0.2105

 4.6601, 0.3122,
0.1158


 89.3911, 0.3210,
0.2190

 2.0493, 0.3046,
0.0866

 115.6019, 0.3209,
0.2263

 0.6359, 0.2903,
0.0507

 146.4924, 0.3207,
0.2328

 0.0000, 0.2645,
0.0000

182.4470, 0.3205,


 0.0000, 0.1594,

0.2385


0.0000

223.8502, 0.3204,
0.2435


 0.0000, 0.0000,
0.0000


 23.6579, 0.3199,
0.1757

 23.6579, 0.3199,
0.1757


 21.5831, 0.3204,
0.1645


 26.6962, 0.3192,
0.1911


 20.3532, 0.3207,
0.1576


 30.7921, 0.3183,
0.2101


 19.7741, 0.3209,
0.1543


 36.0320, 0.3173,
0.2321

 19.7526, 0.3209,
0.1541

 42.4926, 0.3161,
0.2559

 50.2441, 0.3150,
0.2808

 59.3512, 0.3138,
0.3057

 69.8743, 0.3127,
0.3301

 81.8702, 0.3116,
0.3534

 91.2745, 0.3108,
0.3690

Harmonies

Analogous

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



23.6579, 0.1942, 0.1404



23.6579, 0.3199, 0.1757



23.6579, 0.4807, 0.2379

Triad

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



23.6579, 0.3199, 0.1757



23.6579, 0.4900, 0.4986



23.6579, 0.0996, 0.2515

Complementary

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



23.6579, 0.3199, 0.1757



51.1630, 0.3023, 0.5515

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.



23.6579, 0.1476, 0.4262



23.6579, 0.3199, 0.1757



23.6579, 0.3700, 0.5978

Square

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



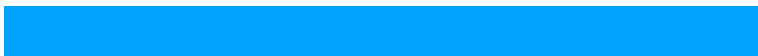
23.6579, 0.3199, 0.1757



23.6579, 0.5769, 0.3964



23.6579, 0.2477, 0.5982



23.6579, 0.0951, 0.1645

Rectangle

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



23.6579, 0.3199, 0.1757



23.6579, 0.5629, 0.2875



23.6579, 0.2477, 0.5982



23.6579, 0.1098, 0.2999

Sweetspot

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



23.6590, 0.3199, 0.1757



70.4629, 0.3152, 0.2766



10.3757, 0.1796, 0.1104



14.3932, 0.3155, 0.2697



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.



23.6590, 0.3199, 0.1757



30.2314, 0.3206, 0.1611



20.6669, 0.4199, 0.2438



13.2748, 0.3138, 0.3060



11.9616, 0.3209, 0.1541



0.7749, 0.3209, 0.1541

Inverse Universe

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



19.0466, 0.5460, 0.3297



23.1904, 0.6054, 0.3299



52.6327, 0.2705, 0.4488



13.0515, 0.3292, 0.3290



8.9299, 0.6401, 0.3300



0.5785, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 23.6579, 0.3199, 0.1757 looks on a white background.

Color Contrast Check

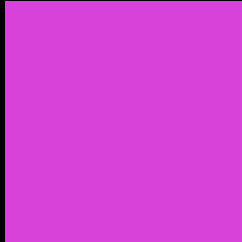
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6579, 0.3199, 0.1757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

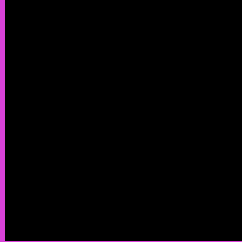
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6579, 0.3199, 0.1757

Background



This preview shows how black text looks on a background with the Yxy color 23.6579, 0.3199, 0.1757.



This preview shows how white text looks on a background with the Yxy color 23.6579, 0.3199, 0.1757.

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

23.6579, 0.3199, 0.1757

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.0478, 0.2228, 0.2179



Tritanopia

23.5860, 0.4443, 0.3206

Trichromacy



Original Color

23.6579, 0.3199, 0.1757



Protanomaly

20.7882, 0.2125, 0.1537



Deuteranomaly

21.2531, 0.2487, 0.1882



Tritanomaly

22.8382, 0.3973, 0.2577

Monochromacy



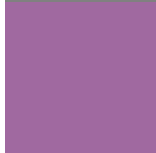
Original Color

23.6579, 0.3199, 0.1757



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.1148, 0.3166, 0.2459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6579, 0.3199, 0.1757 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(217, 66, 217)` looks like.

```
.text, #text, p{  
    color:rgb(217, 66, 217)  
}
```

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(217, 66, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 66, 217) }
```

Border

The CSS property to change the border of an element to Yxy 23.6579, 0.3199, 0.1757 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(217, 66, 217) }
```

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

```
.border{ border-color:rgb(217, 66, 217) }
```

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

Here you see how a box with a 4 pixel rgb(217, 66, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 66, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 66, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 66,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6579, 0.3199, 0.1757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 66, 217) }
```

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

```
.background{ background-color: rgb(217, 66,  
217) }
```

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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