

Converting Colors

$Y_{xy}(23.3657, 0.3369, 0.1865)$

Have a look what the booklet for
Yxy(23.3657, 0.3369, 0.1865)
contains.

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Color

Yxy(23.3161, 0.3371, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	DB42CC
RGB	219, 66, 204
RGB Percent	86%, 26%, 80%
CMY	0.1409, 0.7415, 0.1999
CMYK	0.00, 0.70, 0.07, 0.14
HSL	306°, 68%, 56%
HSV	306°, 70%, 86%
XYZ	42.0763, 23.3161, 59.4261
YIQ	127.4790, 46.8900, 75.3540

Conversions

Conversions Part 2

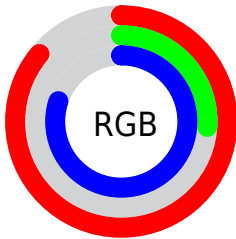
Format	Color
R _{YB}	219, 66, 204
Decimal	14369484
CIE Lab	55.40, 73.33, -40.35
CIE LCh	55, 83.693, 331.179
Yxy	23.3161, 0.3371, 0.1868
Android (android.graphics.Color)	4292559564 (0xFFDB42CC)
YUV	127.4790, 37.7249, 80.2639
Hunter-Lab	48.2867, 71.0403, -39.1670

Details

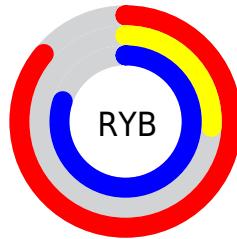
The Yxy color **23.3161, 0.3371, 0.1868** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **52.4430, 0.2970, 0.5358**, and the grayscale version is **21.2422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4017, 0.3184, 0.2070**, and **9.6435, 0.3387, 0.1640** is the 20% darker color. If you saturate the color by 10%, you get **21.1301, 0.3408, 0.1766**, and if you desaturate by 10%, it is **26.4849, 0.3332, 0.2012**.

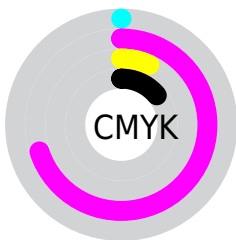
Distribution



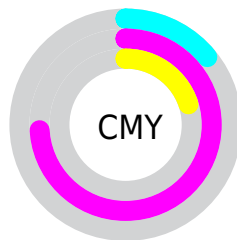
- Red (86%)
- Green (26%)
- Blue (80%)



- Red (86%)
- Yellow (26%)
- Blue (80%)



- Cyan (0%)
- Magenta (70%)
- Yellow (7%)
- Black (14%)





- Cyan (14%)
- Magenta (74%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3161, 0.3371, 0.1868 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 23.3161, 0.3371, 0.1868 by changing the saturation by 10% instead.


 23.3161, 0.3371,
0.1868

 23.3161, 0.3371,
0.1868

269.3444, 0.3276,
0.2552


 14.8271, 0.3385,
0.1710


 48.9118, 0.3344,
0.2108


 8.6981, 0.3397,
0.1516


 66.7874, 0.3331,
0.2201


 4.5448, 0.3403,
0.1275


 88.5605, 0.3320,
0.2280

 1.9827, 0.3391,
0.0973

 114.6157, 0.3310,
0.2349

 0.5974, 0.3344,
0.0579

 145.3373, 0.3300,
0.2410

 0.0000, 0.3220,
0.0000

181.1096, 0.3292,

 0.0000, 0.1924,

0.2463

0.0000

222.3172, 0.3284,
0.2510

0.0000, 0.0000,
0.0000

23.3161, 0.3371,
0.1868

23.3161, 0.3371,
0.1868

21.1301, 0.3408,
0.1766

26.4849, 0.3332,
0.2012

19.8046, 0.3443,
0.1709

30.7334, 0.3293,
0.2190

19.1314, 0.3476,
0.1689

36.1505, 0.3254,
0.2395


19.1261, 0.3476,
0.1688

42.8151, 0.3218,
0.2616

50.7992, 0.3185,
0.2844

 60.1692, 0.3154,
0.3071

 70.9871, 0.3127,
0.3292

 83.3113, 0.3103,
0.3502

 91.9376, 0.3085,
0.3620

Harmonies

Analogous

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



23.3161, 0.2100, 0.1488



23.3161, 0.3371, 0.1868



23.3161, 0.4890, 0.2500

Triad

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



23.3161, 0.3371, 0.1868



23.3161, 0.4744, 0.5076



23.3161, 0.1042, 0.2427

Complementary

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



23.3161, 0.3371, 0.1868



52.4430, 0.2970, 0.5358

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.



23.3161, 0.1466, 0.3997



23.3161, 0.3371, 0.1868



23.3161, 0.3583, 0.5943

Square

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



23.3161, 0.3371, 0.1868



23.3161, 0.5620, 0.4086



23.3161, 0.2399, 0.5711



23.3161, 0.1031, 0.1654

Rectangle

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



23.3161, 0.3371, 0.1868



23.3161, 0.5606, 0.2994



23.3161, 0.2399, 0.5711



23.3161, 0.1129, 0.2857

Sweetspot

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



23.3172, 0.3371, 0.1868



70.1294, 0.3189, 0.2815



10.6532, 0.1854, 0.1101



14.3126, 0.3198, 0.2751



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.



23.3172, 0.3371, 0.1868



28.7711, 0.3426, 0.1733



20.5607, 0.4460, 0.2606



13.2517, 0.3153, 0.3082



11.3430, 0.3471, 0.1686



0.7414, 0.3423, 0.1660

Inverse Universe

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



23.3172, 0.3371, 0.1868



28.7711, 0.3426, 0.1733



54.2247, 0.2628, 0.4251



13.2517, 0.3153, 0.3082



11.3430, 0.3471, 0.1686



0.7414, 0.3423, 0.1660

Previews

White Background



This preview shows how the Yxy color 23.3161, 0.3371, 0.1868 looks on a white background.

Color Contrast Check

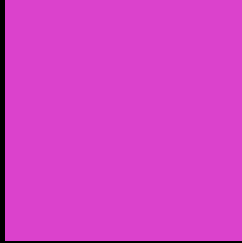
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3161, 0.3371, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

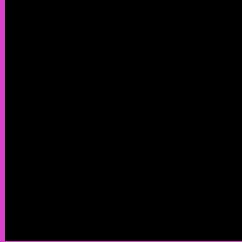
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3161, 0.3371, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 23.3161, 0.3371, 0.1868.



This preview shows how white text looks on a background with the Yxy color 23.3161, 0.3371, 0.1868.

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

23.3161, 0.3371, 0.1868

Protanopia

23.9126, 0.1861, 0.1600

Deuteranopia

23.5857, 0.2368, 0.2311



Tritanopia

23.3106, 0.4572, 0.3209

Trichromacy



Original Color

23.3161, 0.3371, 0.1868



Protanomaly

20.2157, 0.2139, 0.1558



Deuteranomaly

21.0982, 0.2647, 0.2011



Tritanomaly

22.7248, 0.4136, 0.2642

Monochromacy



Original Color

23.3161, 0.3371, 0.1868



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

19.9433, 0.3226, 0.2527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3161, 0.3371, 0.1868 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(219, 66, 204)` looks like.

```
.text, #text, p{  
    color:rgb(219, 66, 204)  
}
```

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(219, 66, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 66, 204) }
```

Border

The CSS property to change the border of an element to Yxy 23.3161, 0.3371, 0.1868 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(219, 66, 204) }
```

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

```
.border{ border-color:rgb(219, 66, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 66, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 66, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 66, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 66,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3161, 0.3371, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 66, 204) }
```

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

```
.background{ background-color: rgb(219, 66,  
204) }
```

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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