

Converting Colors

$Y_{xy}(23.9021, 0.3533, 0.2054)$

Have a look what the booklet for
Yxy(23.9021, 0.3533, 0.2054)
contains.

Yxy(23.9467, 0.3536, 0.2061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.9467, 0.3536, 0.2061)

Conversions

Conversions Part 1

Format	Color
Hex	DB4CBE
RGB	219, 76, 190
RGB Percent	86%, 30%, 75%
CMY	0.1413, 0.7018, 0.2550
CMYK	0.00, 0.65, 0.13, 0.14
HSL	312°, 66%, 58%
HSV	312°, 65%, 86%
XYZ	41.0847, 23.9467, 51.1583
YIQ	131.7530, 48.6340, 65.7700

Conversions

Conversions Part 2

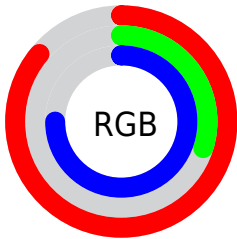
Format	Color
R _Y B	219, 76, 190
Decimal	14372030
CIE Lab	56.03, 67.56, -31.29
CIE LCh	56, 74.450, 335.152
Yxy	23.9467, 0.3536, 0.2061
Android (android.graphics.Color)	4292562110 (0xFFDB4CBE)
YUV	131.7530, 28.7158, 76.5156
Hunter-Lab	48.9354, 64.2264, -27.7286

Details

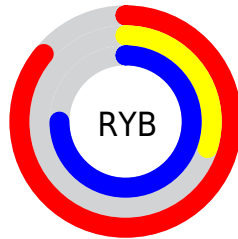
The Yxy color **23.9467, 0.3536, 0.2061** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **53.2099, 0.2909, 0.5015**, and the grayscale version is **22.8680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0256, 0.3250, 0.2199**, and **9.2512, 0.3624, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **21.2337, 0.3616, 0.1952**, and if you desaturate by 10%, it is **27.6945, 0.3457, 0.2209**.

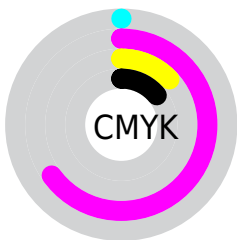
Distribution



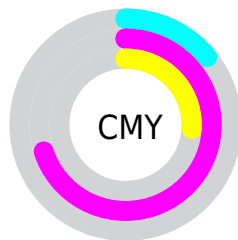
- Red (86%)
- Green (30%)
- Blue (75%)



- Red (86%)
- Yellow (30%)
- Blue (75%)



- Cyan (0%)
- Magenta (65%)
- Yellow (13%)
- Black (14%)




- Cyan (14%)
- Magenta (70%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9467, 0.3536, 0.2061 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 23.9467, 0.3536, 0.2061 by changing the saturation by 10% instead.


 23.9467, 0.3536,
0.2061


 23.9467, 0.3536,
0.2061


272.5509, 0.3343,
0.2666

 15.2941, 0.3580,
0.1916


 49.9432, 0.3469,
0.2277


 9.0260, 0.3632,
0.1734


 68.0559, 0.3443,
0.2359

 4.7582, 0.3696,
0.1503


 90.0907, 0.3420,
0.2430

 2.1061, 0.3771,
0.1201

 116.4321, 0.3401,
0.2490

 0.6680, 0.3860,
0.0790

 147.4644, 0.3383,
0.2543

 0.0000, 0.4032,
0.0000

183.5721, 0.3368,

 0.0000, 0.2629,

0.2589

0.0000

225.1394, 0.3355,
0.2630

0.0000, 0.0000,
0.0000

23.9467, 0.3536,
0.2061

23.9467, 0.3536,
0.2061

21.2337, 0.3616,
0.1952

27.6945, 0.3457,
0.2209

19.4428, 0.3696,
0.1887

32.5675, 0.3383,
0.2385

18.4415, 0.3772,
0.1869

38.6502, 0.3314,
0.2579

18.1339, 0.3807,
0.1871

46.0179, 0.3252,
0.2783

54.7400, 0.3197,
0.2988

■ 64.8807, 0.3150,
0.3188

■ 76.5002, 0.3109,
0.3379

■ 89.6553, 0.3074,
0.3559

■ 92.2875, 0.3048,
0.3549

Harmonies

Analogous

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



23.9467, 0.2333, 0.1666



23.9467, 0.3536, 0.2061



23.9467, 0.4845, 0.2681

Triad

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



23.9467, 0.3536, 0.2061



23.9467, 0.4539, 0.5098



23.9467, 0.1192, 0.2413

Complementary

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



23.9467, 0.3536, 0.2061



53.2099, 0.2909, 0.5015

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.



23.9467, 0.1556, 0.3713



23.9467, 0.3536, 0.2061



23.9467, 0.3472, 0.5705

Square

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



23.9467, 0.3536, 0.2061



23.9467, 0.5347, 0.4218



23.9467, 0.2382, 0.5233



23.9467, 0.1213, 0.1755

Rectangle

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



23.9467, 0.3536, 0.2061



23.9467, 0.5415, 0.3161



23.9467, 0.2382, 0.5233



23.9467, 0.1265, 0.2772

Sweetspot

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



23.9479, 0.3536, 0.2061



71.0171, 0.3223, 0.2888



13.2688, 0.2056, 0.1290



14.4691, 0.3239, 0.2830



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.



23.9479, 0.3536, 0.2061



28.9861, 0.3644, 0.1924



21.5612, 0.4596, 0.2821



13.2272, 0.3169, 0.3106



10.7712, 0.3797, 0.1865



0.7095, 0.3683, 0.1803

Inverse Universe

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



23.9479, 0.3536, 0.2061



28.9861, 0.3644, 0.1924



55.3275, 0.2557, 0.3913



13.2272, 0.3169, 0.3106



10.7712, 0.3797, 0.1865



0.7095, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 23.9467, 0.3536, 0.2061 looks on a white background.

Color Contrast Check

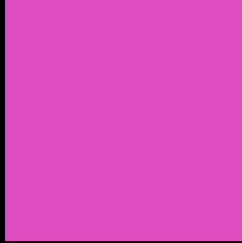
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9467, 0.3536, 0.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

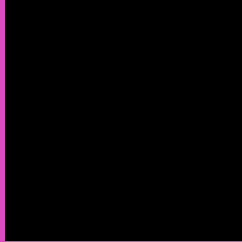
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9467, 0.3536, 0.2061

Background



This preview shows how black text looks on a background with the Yxy color 23.9467, 0.3536, 0.2061.



This preview shows how white text looks on a background with the Yxy color 23.9467, 0.3536, 0.2061.

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

23.9467, 0.3536, 0.2061

Protanopia

24.3150, 0.2027, 0.1813

Deuteranopia

24.2488, 0.2576, 0.2523



Tritanopia

24.0038, 0.4567, 0.3222

Trichromacy



Original Color

23.9467, 0.3536, 0.2061



Protanomaly

21.6342, 0.2376, 0.1806



Deuteranomaly

22.2171, 0.2872, 0.2251



Tritanomaly

23.5845, 0.4190, 0.2746

Monochromacy



Original Color

23.9467, 0.3536, 0.2061



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7808, 0.3293, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9467, 0.3536, 0.2061 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, 76, 190)` looks like.

```
.text, #text, p{  
    color:rgb(219, 76, 190)  
}
```

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, 76, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 76, 190) }
```

Border

The CSS property to change the border of an element to Yxy 23.9467, 0.3536, 0.2061 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, 76, 190) }
```

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

```
.border{ border-color:rgb(219, 76, 190) }
```

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

Here you see how a box with a 4 pixel rgb(219, 76, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 76, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 76, 190);  
box-shadow:4px 4px 4px 4px rgb(219, 76,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9467, 0.3536, 0.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 76, 190) }
```

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

```
.background{ background-color: rgb(219, 76,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor