

Converting Colors

$Y_{xy}(23.6662, 0.3354, 0.1977)$

Have a look what the booklet for
Yxy(23.6662, 0.3354, 0.1977)
contains.

Yxy(23.6662, 0.3354, 0.1977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6662, 0.3354, 0.1977)

Conversions

Conversions Part 1

Format	Color
Hex	D44FC6
RGB	212, 79, 198
RGB Percent	83%, 31%, 78%
CMY	0.1685, 0.6903, 0.2234
CMYK	0.00, 0.63, 0.07, 0.17
HSL	306°, 61%, 57%
HSV	306°, 63%, 83%
XYZ	40.1499, 23.6662, 55.8915
YIQ	132.3330, 41.0690, 65.2050

Conversions

Conversions Part 2

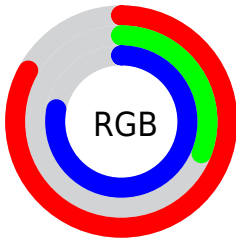
Format	Color
R _{YB}	212, 79, 198
Decimal	13914054
CIE Lab	55.75, 65.89, -36.43
CIE LCh	56, 75.285, 331.063
Yxy	23.6662, 0.3354, 0.1977
Android (android.graphics.Color)	4292104134 (0xFFD44FC6)
YUV	132.3330, 32.3738, 69.8680
Hunter-Lab	48.6479, 62.1852, -34.0646

Details

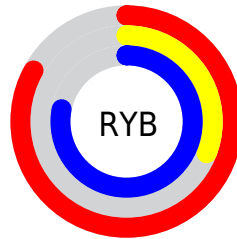
The Yxy color **23.6662, 0.3354, 0.1977** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **49.5556, 0.2973, 0.5124**, and the grayscale version is **23.0670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **8.8836, 0.3377, 0.1634** is the 20% darker color. If you saturate the color by 10%, you get **20.9803, 0.3395, 0.1845**, and if you desaturate by 10%, it is **27.3308, 0.3312, 0.2146**.

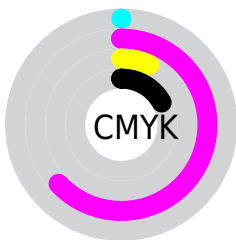
Distribution



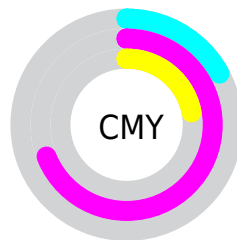
- Red (83%)
- Green (31%)
- Blue (78%)



- Red (83%)
- Yellow (31%)
- Blue (78%)



- Cyan (0%)
- Magenta (63%)
- Yellow (7%)
- Black (17%)



- Cyan (17%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6662, 0.3354, 0.1977 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 23.6662, 0.3354, 0.1977 by changing the saturation by 10% instead.


 23.6662, 0.3354,
0.1977


 23.6662, 0.3354,
0.1977


271.1285, 0.3262,
0.2618


 15.0862, 0.3369,
0.1826


 49.4849, 0.3326,
0.2204

 8.8799, 0.3383,
0.1638


 67.4925, 0.3314,
0.2291


 4.6629, 0.3393,
0.1400


 89.4113, 0.3303,
0.2366

 2.0509, 0.3388,
0.1097

 115.6258, 0.3294,
0.2430

 0.6368, 0.3352,
0.0690

 146.5203, 0.3285,
0.2486

 0.0000, 0.3268,
0.0000

182.4794, 0.3276,

 0.0000, 0.1163,

0.2535

0.0000

223.8873, 0.3269,
0.2579

■ 0.0000, 0.0000,
0.0000

■ 23.6662, 0.3354,
0.1977

■ 23.6662, 0.3354,
0.1977

■ 20.9803, 0.3395,
0.1845

■ 27.3308, 0.3312,
0.2146

■ 19.1732, 0.3435,
0.1756

■ 32.0548, 0.3272,
0.2343

■ 18.1300, 0.3471,
0.1711

■ 37.9139, 0.3233,
0.2558

■ 17.7073, 0.3496,
0.1700

■ 44.9765, 0.3197,
0.2783

■ 53.3051, 0.3164,
0.3010

■ 62.9582, 0.3135,
0.3231

■ 73.9905, 0.3109,
0.3442

■ 86.4537, 0.3087,
0.3641

■ 90.5906, 0.3072,
0.3681

Harmonies

Analogous

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



23.6662, 0.2190, 0.1616



23.6662, 0.3354, 0.1977



23.6662, 0.4710, 0.2578

Triad

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



23.6662, 0.3354, 0.1977



23.6662, 0.4681, 0.4992



23.6662, 0.1196, 0.2537

Complementary

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



23.6662, 0.3354, 0.1977



49.5556, 0.2973, 0.5124

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.



23.6662, 0.1622, 0.3940



23.6662, 0.3354, 0.1977



23.6662, 0.3621, 0.5698

Square

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



23.6662, 0.3354, 0.1977



23.6662, 0.5443, 0.4101



23.6662, 0.2510, 0.5418



23.6662, 0.1171, 0.1795

Rectangle

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



23.6662, 0.3354, 0.1977



23.6662, 0.5362, 0.3053



23.6662, 0.2510, 0.5418



23.6662, 0.1287, 0.2933

Sweetspot

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



23.6673, 0.3354, 0.1977



72.5636, 0.3185, 0.2864



12.6312, 0.2002, 0.1323



14.7843, 0.3194, 0.2798



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.



23.6673, 0.3354, 0.1977



30.8888, 0.3407, 0.1814



21.2603, 0.4288, 0.2671



12.6091, 0.3154, 0.3084



10.9363, 0.3492, 0.1697



0.6663, 0.3437, 0.1667

Inverse Universe

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



23.6673, 0.3354, 0.1977



30.8888, 0.3407, 0.1814



51.2622, 0.2638, 0.4096



12.6091, 0.3154, 0.3084



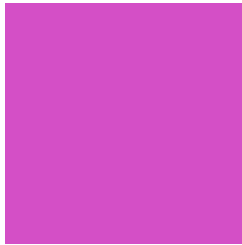
10.9363, 0.3492, 0.1697



0.6663, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 23.6662, 0.3354, 0.1977 looks on a white background.

Color Contrast Check

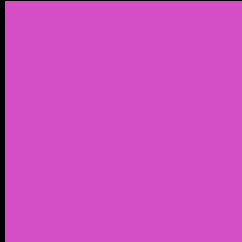
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6662, 0.3354, 0.1977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

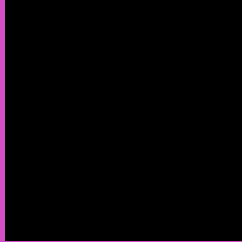
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6662, 0.3354, 0.1977

Background



This preview shows how black text looks on a background with the Yxy color 23.6662, 0.3354, 0.1977.



This preview shows how white text looks on a background with the Yxy color 23.6662, 0.3354, 0.1977.

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

23.6662, 0.3354, 0.1977

Protanopia

24.0986, 0.1963, 0.1728

Deuteranopia

24.0266, 0.2451, 0.2402



Tritanopia

23.7448, 0.4379, 0.3204

Trichromacy



Original Color

23.6662, 0.3354, 0.1977



Protanomaly

21.4270, 0.2263, 0.1714



Deuteranomaly

22.1001, 0.2725, 0.2151



Tritanomaly

23.2894, 0.3991, 0.2694

Monochromacy



Original Color

23.6662, 0.3354, 0.1977



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7876, 0.3219, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6662, 0.3354, 0.1977 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, 79, 198)` looks like.

```
.text, #text, p{  
    color:rgb(212, 79, 198)  
}
```

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, 79, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 79, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.6662, 0.3354, 0.1977 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, 79, 198) }
```

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

```
.border{ border-color:rgb(212, 79, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 79, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 79, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 79, 198); box-shadow:4px 4px 4px 4px rgb(212, 79, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6662, 0.3354, 0.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 79, 198) }
```

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

```
.background{ background-color: rgb(212, 79,  
198) }
```

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