

Converting Colors

$Y_{xy}(31.7515, 0.3363, 0.2328)$

Have a look what the booklet for
Yxy(31.7515, 0.3363, 0.2328)
contains.

Yxy(31.7679, 0.3364, 0.2323)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.7679, 0.3364, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	DB74C9
RGB	219, 116, 201
RGB Percent	86%, 45%, 79%
CMY	0.1412, 0.5451, 0.2117
CMYK	0.00, 0.47, 0.08, 0.14
HSL	310°, 59%, 66%
HSV	310°, 47%, 86%
XYZ	46.0040, 31.7679, 58.9819
YIQ	156.4870, 34.1030, 48.2710

Conversions

Conversions Part 2

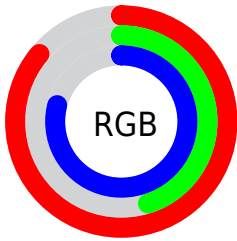
Format	Color
RYB	219, 116, 201
Decimal	14382281
CIELab	63.15, 51.41, -26.57
CIELCh	63, 57.868, 332.669
Yxy	31.7679, 0.3364, 0.2323
Android (android.graphics.Color)	4292572361 (0xFFDB74C9)
YUV	156.4870, 21.9449, 54.8239
Hunter-Lab	56.3630, 47.0579, -22.5908

Details

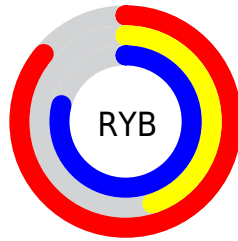
The Yxy color **31.7679, 0.3364, 0.2323** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.0972, 0.2962, 0.4511**, and the grayscale version is **33.3642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **13.2332, 0.3413, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **27.1241, 0.3429, 0.2147**, and if you desaturate by 10%, it is **37.6090, 0.3303, 0.2520**.

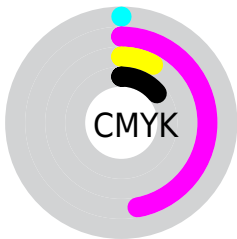
Distribution



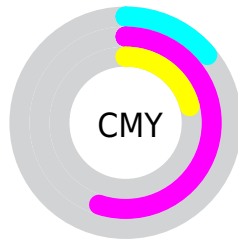
- Red (86%)
- Green (45%)
- Blue (79%)



- Red (86%)
- Yellow (45%)
- Blue (79%)



- Cyan (0%)
- Magenta (47%)
- Yellow (8%)
- Black (14%)





- Cyan (14%)
- Magenta (55%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7679, 0.3364, 0.2323 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 31.7679, 0.3364, 0.2323 by changing the saturation by 10% instead.


 31.7679, 0.3364,
0.2323


 31.7679, 0.3364,
0.2323


310.0606, 0.3257,
0.2793


 21.1843, 0.3387,
0.2211


 62.4471, 0.3328,
0.2490

 13.2588, 0.3414,
0.2070

 83.3114, 0.3313,
0.2554

 7.6070, 0.3447,
0.1890


 108.3714, 0.3301,
0.2608

 3.8445, 0.3484,
0.1651

138.0115, 0.3290,
0.2655

 1.5870, 0.3523,
0.1325

172.6161, 0.3280,
0.2696

 0.3488, 0.3615,
0.0690

212.5695, 0.3271,


 0.0000, 0.3408,


0.2733


0.0000

258.2562, 0.3264,
0.2764


 0.0000, 0.0000,
0.0000


 31.7679, 0.3364,
0.2323

 31.7679, 0.3364,
0.2323


 27.1241, 0.3429,
0.2147


 37.6090, 0.3303,
0.2520


 23.5883, 0.3497,
0.2001


 44.7198, 0.3248,
0.2729


 21.0658, 0.3565,
0.1896


 53.1719, 0.3198,
0.2940


 19.4440, 0.3631,
0.1835

 63.0304, 0.3154,
0.3148

 18.5754, 0.3694,
0.1819

 74.3562, 0.3117,
0.3348

 18.3876, 0.3713,
0.1819

 87.2066, 0.3084,
0.3537

 92.1694, 0.3060,
0.3573

 92.3838, 0.3039,
0.3532

 92.6028, 0.3018,
0.3492

Harmonies

Analogous

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



31.7679, 0.2494, 0.2017



31.7679, 0.3364, 0.2323



31.7679, 0.4287, 0.2820

Triad

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



31.7679, 0.3364, 0.2323



31.7679, 0.4344, 0.4680



31.7679, 0.1654, 0.2763

Complementary

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



31.7679, 0.3364, 0.2323



56.0972, 0.2962, 0.4511

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.



31.7679, 0.2018, 0.3705



31.7679, 0.3364, 0.2323



31.7679, 0.3559, 0.4995

Square

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



31.7679, 0.3364, 0.2323



31.7679, 0.4850, 0.4075



31.7679, 0.2707, 0.4649



31.7679, 0.1625, 0.2180

Rectangle

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



31.7679, 0.3364, 0.2323



31.7679, 0.4731, 0.3218



31.7679, 0.2707, 0.4649



31.7679, 0.1736, 0.3044

Sweetspot

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



31.7694, 0.3364, 0.2323



78.9049, 0.3185, 0.3002



22.6055, 0.2370, 0.1865



16.2707, 0.3194, 0.2956



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.



31.7694, 0.3364, 0.2323



38.6103, 0.3425, 0.2156



29.7638, 0.3967, 0.2880



13.2338, 0.3164, 0.3099



10.9174, 0.3704, 0.1814



0.7178, 0.3609, 0.1762

Inverse Universe

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



31.7694, 0.3364, 0.2323



38.6103, 0.3425, 0.2156



57.8654, 0.2682, 0.3762



13.2338, 0.3164, 0.3099



10.9174, 0.3704, 0.1814



0.7178, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 31.7679, 0.3364, 0.2323 looks on a white background.

Color Contrast Check

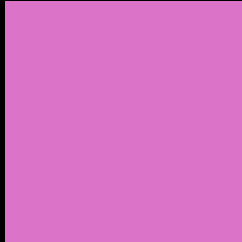
Large Text (above 18pt) WCAG AA × Fail

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 31.7679, 0.3364, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

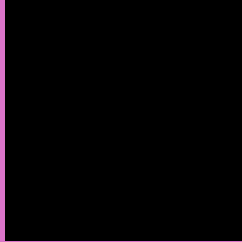
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7679, 0.3364, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 31.7679, 0.3364, 0.2323.



This preview shows how white text looks on a background with the Yxy color 31.7679, 0.3364, 0.2323.

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

31.7679, 0.3364, 0.2323

Protanopia

32.2467, 0.2350, 0.2241

Deuteranopia

31.8638, 0.2705, 0.2644



Tritanopia

31.8264, 0.3976, 0.3180

Trichromacy



Original Color

31.7679, 0.3364, 0.2323



Protanomaly

30.7125, 0.2640, 0.2237



Deuteranomaly

31.0924, 0.2926, 0.2499



Tritanomaly

31.7229, 0.3749, 0.2840

Monochromacy



Original Color

31.7679, 0.3364, 0.2323



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.6120, 0.3220, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7679, 0.3364, 0.2323 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, 116, 201)` looks like.

```
.text, #text, p{  
    color:rgb(219, 116, 201)  
}
```

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, 116, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 116, 201) }
```

Border

The CSS property to change the border of an element to Yxy 31.7679, 0.3364, 0.2323 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, 116, 201) }
```

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

```
.border{ border-color:rgb(219, 116, 201) }
```

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

Here you see how a box with a 4 pixel rgb(219, 116, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 116, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 116, 201);  
box-shadow:4px 4px 4px 4px rgb(219, 116,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7679, 0.3364, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 116, 201) }
```

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

```
.background{ background-color: rgb(219,  
116, 201) }
```

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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