

Converting Colors

$Y_{xy}(23.6917, 0.2772, 0.1712)$

Have a look what the booklet for
Yxy(23.6917, 0.2772, 0.1712)
contains.

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Color

Yxy(23.7041, 0.2766, 0.1708)

Conversions

Conversions Part 1

Format	Color
Hex	BB5BE5
RGB	187, 91, 229
RGB Percent	73%, 36%, 90%
CMY	0.2665, 0.6433, 0.1019
CMYK	0.18, 0.60, 0.00, 0.10
HSL	282°, 73%, 63%
HSV	282°, 60%, 90%
XYZ	38.3873, 23.7041, 76.6914
YIQ	135.4360, 12.9180, 63.2700

Conversions

Conversions Part 2

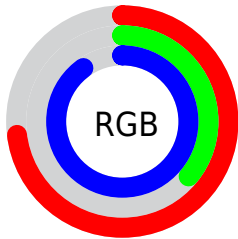
Format	Color
R_{YB}	187, 91, 229
Decimal	12278757
CIE _{Lab}	55.79, 60.15, -54.17
CIE _{LCh}	56, 80.947, 317.993
Yxy	23.7041, 0.2766, 0.1708
Android (android.graphics.Color)	4290468837 (0xFFBB5BE5)
YUV	135.4360, 46.1271, 45.2216
Hunter-Lab	48.6869, 55.5369, -59.3126

Details

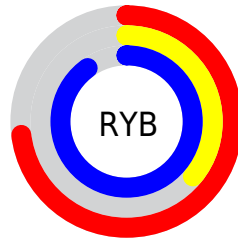
The Yxy color **23.7041, 0.2766, 0.1708** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **61.7827, 0.3268, 0.5102**, and the grayscale version is **24.2186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3706, 0.3100, 0.2214**, and **8.9070, 0.2602, 0.1338** is the 20% darker color. If you saturate the color by 10%, you get **19.5135, 0.2684, 0.1494**, and if you desaturate by 10%, it is **29.1332, 0.2844, 0.1954**.

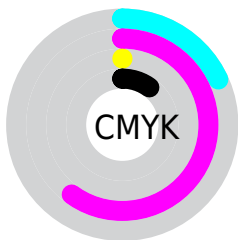
Distribution



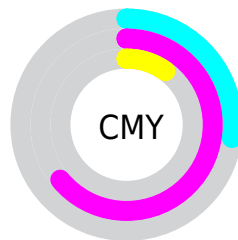
- Red (73%)
- Green (36%)
- Blue (90%)



- Red (73%)
- Yellow (36%)
- Blue (90%)



- Cyan (18%)
- Magenta (60%)
- Yellow (0%)
- Black (10%)





- Cyan (27%)
- Magenta (64%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7041, 0.2766, 0.1708 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 23.7041, 0.2766, 0.1708 by changing the saturation by 10% instead.


 23.7041, 0.2766,
0.1708

 23.7041, 0.2766,
0.1708


271.3211, 0.2991,
0.2455


 15.1143, 0.2698,
0.1541


 49.5469, 0.2857,
0.1966

 8.8996, 0.2606,
0.1340


 67.5687, 0.2889,
0.2067

 4.6758, 0.2476,
0.1098


 89.5032, 0.2914,
0.2154

 2.0583, 0.2285,
0.0807

 115.7349, 0.2935,
0.2230

 0.6410, 0.1996,
0.0460

146.6481, 0.2953,
0.2297

 0.0000, 0.1559,
0.0000

182.6273, 0.2968,

 0.0000, 0.0000,

0.2356

0.0000

224.0568, 0.2980,
0.2408

■ 23.7041, 0.2766,
0.1708

■ 23.7041, 0.2766,
0.1708

■ 19.5135, 0.2684,
0.1494

■ 29.1332, 0.2844,
0.1954

■ 16.4455, 0.2600,
0.1322

■ 35.8971, 0.2917,
0.2221

■ 14.3663, 0.2519,
0.1198

■ 44.0856, 0.2981,
0.2496

■ 13.0693, 0.2443,
0.1119

■ 53.7797, 0.3038,
0.2770

■ 65.0544, 0.3086,
0.3034

■ 77.9794, 0.3126,
0.3283

■ 92.6204, 0.3159,
0.3515

■ 96.1872, 0.3201,
0.3548

■ 97.4478, 0.3245,
0.3545

Harmonies

Analogous

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



23.7041, 0.1753, 0.1461



23.7041, 0.2766, 0.1708



23.7041, 0.4203, 0.2233

Triad

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



23.7041, 0.2766, 0.1708



23.7041, 0.5146, 0.4619



23.7041, 0.1223, 0.3036

Complementary

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



23.7041, 0.2766, 0.1708



61.7827, 0.3268, 0.5102

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.



23.7041, 0.1870, 0.4776



23.7041, 0.2766, 0.1708



23.7041, 0.4108, 0.5565

Square

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



23.7041, 0.2766, 0.1708



23.7041, 0.5733, 0.3717



23.7041, 0.2940, 0.5915



23.7041, 0.1045, 0.1958

Rectangle

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



23.7041, 0.2766, 0.1708



23.7041, 0.5106, 0.2692



23.7041, 0.2940, 0.5915



23.7041, 0.1381, 0.3571

Sweetspot

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



23.7051, 0.2766, 0.1708



71.5790, 0.3049, 0.2828



25.1194, 0.2087, 0.1936



14.4746, 0.3034, 0.2749



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.



23.7051, 0.2766, 0.1708



23.9450, 0.2666, 0.1453



28.4822, 0.3466, 0.2104



14.3839, 0.3089, 0.3055



7.5372, 0.2455, 0.1126



0.6051, 0.2568, 0.1188

Inverse Universe

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



25.8283, 0.4420, 0.2834



27.3554, 0.4850, 0.2801



59.5366, 0.2928, 0.4910



14.4398, 0.3245, 0.3219



9.7931, 0.5742, 0.2937



0.7398, 0.5326, 0.2708

Previews

White Background



This preview shows how the Yxy color 23.7041, 0.2766, 0.1708 looks on a white background.

Color Contrast Check

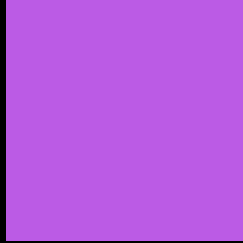
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7041, 0.2766, 0.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

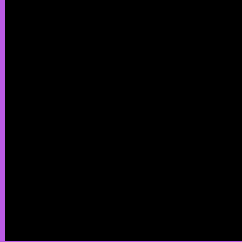
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7041, 0.2766, 0.1708

Background



This preview shows how black text looks on a background with the Yxy color 23.7041, 0.2766, 0.1708.



This preview shows how white text looks on a background with the Yxy color 23.7041, 0.2766, 0.1708.

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

23.7041, 0.2766, 0.1708

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.1681, 0.2058, 0.2001



Tritanopia

23.5228, 0.3690, 0.3156

Trichromacy



Original Color

23.7041, 0.2766, 0.1708



Protanomaly

22.3327, 0.2056, 0.1580



Deuteranomaly

22.4270, 0.2231, 0.1818



Tritanomaly

23.0010, 0.3310, 0.2505

Monochromacy



Original Color

23.7041, 0.2766, 0.1708



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.9282, 0.2991, 0.2532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7041, 0.2766, 0.1708 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(187, 91, 229)` looks like.

```
.text, #text, p{  
    color:rgb(187, 91, 229)  
}
```

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(187, 91, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 91, 229) }
```

Border

The CSS property to change the border of an element to Yxy 23.7041, 0.2766, 0.1708 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(187, 91, 229) }
```

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

```
.border{ border-color:rgb(187, 91, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 91, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 91, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 91, 229);  
box-shadow:4px 4px 4px 4px rgb(187, 91,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7041, 0.2766, 0.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 91, 229) }
```

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

```
.background{ background-color: rgb(187, 91,  
229) }
```

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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