

Converting Colors

$Y_{xy}(23.9297, 0.3029, 0.1824)$

Have a look what the booklet for
Yxy(23.9297, 0.3029, 0.1824)
contains.

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Color

Yxy(23.8724, 0.3031, 0.1821)

Conversions

Conversions Part 1

Format	Color
Hex	C955D8
RGB	201, 85, 216
RGB Percent	79%, 33%, 85%
CMY	0.2117, 0.6667, 0.1529
CMYK	0.07, 0.61, 0.00, 0.15
HSL	293°, 63%, 59%
HSV	293°, 61%, 85%
XYZ	39.7349, 23.8724, 67.4877
YIQ	134.6180, 27.0850, 65.3330

Conversions

Conversions Part 2

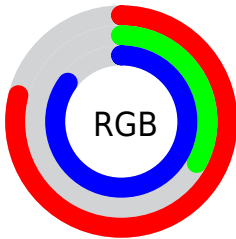
Format	Color
R _{YB}	201, 85, 216
Decimal	13194712
CIE _{Lab}	55.96, 63.69, -46.46
CIE _{LCh}	56, 78.835, 323.895
Y _{xy}	23.8724, 0.3031, 0.1821
Android (android.graphics.Color)	4291384792 (0xFFC955D8)
YUV	134.6180, 40.1213, 58.2170
Hunter-Lab	48.8594, 59.6612, -47.6936

Details

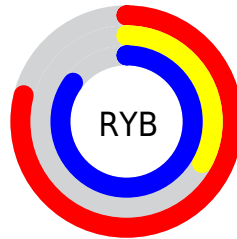
The Yxy color **23.8724, 0.3031, 0.1821** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **52.4824, 0.3114, 0.5196**, and the grayscale version is **23.9207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3179, 0.2195**, and **9.0037, 0.2962, 0.1472** is the 20% darker color. If you saturate the color by 10%, you get **20.6364, 0.3004, 0.1648**, and if you desaturate by 10%, it is **28.1537, 0.3055, 0.2030**.

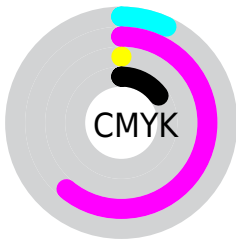
Distribution



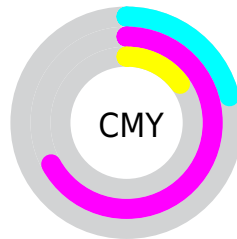
- Red (79%)
- Green (33%)
- Blue (85%)



- Red (79%)
- Yellow (33%)
- Blue (85%)



- Cyan (7%)
- Magenta (61%)
- Yellow (0%)
- Black (15%)





- Cyan (21%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8724, 0.3031, 0.1821 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 23.8724, 0.3031, 0.1821 by changing the saturation by 10% instead.


 23.8724, 0.3031,
0.1821


 23.8724, 0.3031,
0.1821


272.1747, 0.3117,
0.2523


 15.2390, 0.2998,
0.1661


 49.8219, 0.3071,
0.2066


 8.9873, 0.2950,
0.1465


 67.9068, 0.3083,
0.2161

 4.7329, 0.2876,
0.1224


 89.9109, 0.3093,
0.2243

 2.0914, 0.2755,
0.0927

 116.2188, 0.3100,
0.2314

 0.6598, 0.2550,
0.0557

147.2147, 0.3106,
0.2376

 0.0000, 0.2208,
0.0000

183.2830, 0.3110,

 0.0000, 0.0440,

0.2431

0.0000

224.8083, 0.3114,
0.2480

■ 0.0000, 0.0000,
0.0000

■ 23.8724, 0.3031,
0.1821

■ 23.8724, 0.3031,
0.1821

■ 20.6364, 0.3004,
0.1648

■ 28.1537, 0.3055,
0.2030

■ 18.3447, 0.2976,
0.1517

■ 33.5628, 0.3076,
0.2265

■ 16.8818, 0.2947,
0.1430

■ 40.1776, 0.3093,
0.2516

■ 16.0725, 0.2919,
0.1382

■ 48.0680, 0.3108,
0.2773

■ 57.2986, 0.3119,
0.3028

■ 67.9298, 0.3127,
0.3274

■ 80.0180, 0.3132,
0.3508

■ 91.8186, 0.3138,
0.3698

■ 92.2090, 0.3153,
0.3696

Harmonies

Analogous

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



23.8724, 0.1939, 0.1520



23.8724, 0.3031, 0.1821



23.8724, 0.4456, 0.2385

Triad

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



23.8724, 0.3031, 0.1821



23.8724, 0.4941, 0.4798



23.8724, 0.1196, 0.2782

Complementary

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



23.8724, 0.3031, 0.1821



52.4824, 0.3114, 0.5196

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.



23.8724, 0.1740, 0.4387



23.8724, 0.3031, 0.1821



23.8724, 0.3885, 0.5662

Square

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



23.8724, 0.3031, 0.1821



23.8724, 0.5621, 0.3891



23.8724, 0.2736, 0.5736



23.8724, 0.1090, 0.1866

Rectangle

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



23.8724, 0.3031, 0.1821



23.8724, 0.5256, 0.2854



23.8724, 0.2736, 0.5736



23.8724, 0.1322, 0.3254

Sweetspot

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



23.8734, 0.3031, 0.1821



73.1472, 0.3111, 0.2837



16.0562, 0.1997, 0.1547



14.8613, 0.3107, 0.2761



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.



23.8734, 0.3031, 0.1821



28.8986, 0.2996, 0.1603



23.8413, 0.3812, 0.2365



12.5572, 0.3120, 0.3059



9.5422, 0.2924, 0.1384



0.5965, 0.2976, 0.1413

Inverse Universe

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



22.0157, 0.4811, 0.3127



26.2386, 0.5393, 0.3130



52.8044, 0.2795, 0.4514



12.4437, 0.3273, 0.3264



8.6900, 0.6253, 0.3218



0.5321, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 23.8724, 0.3031, 0.1821 looks on a white background.

Color Contrast Check

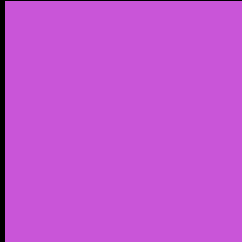
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8724, 0.3031, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

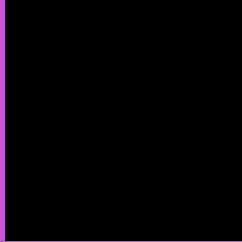
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8724, 0.3031, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 23.8724, 0.3031, 0.1821.



This preview shows how white text looks on a background with the Yxy color 23.8724, 0.3031, 0.1821.

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

23.8724, 0.3031, 0.1821

Protanopia

24.3435, 0.1880, 0.1618

Deuteranopia

24.0966, 0.2223, 0.2167



Tritanopia

23.7632, 0.4039, 0.3181

Trichromacy



Original Color

23.8724, 0.3031, 0.1821



Protanomaly

22.0303, 0.2115, 0.1609



Deuteranomaly

22.2948, 0.2445, 0.1956



Tritanomaly

23.2068, 0.3644, 0.2589

Monochromacy



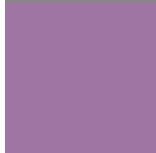
Original Color

23.8724, 0.3031, 0.1821



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.7738, 0.3102, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8724, 0.3031, 0.1821 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(201, 85, 216)` looks like.

```
.text, #text, p{  
    color:rgb(201, 85, 216)  
}
```

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(201, 85, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 85, 216) }
```

Border

The CSS property to change the border of an element to Yxy 23.8724, 0.3031, 0.1821 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(201, 85, 216) }
```

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

```
.border{ border-color:rgb(201, 85, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 85, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 85, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 85, 216);  
box-shadow:4px 4px 4px 4px rgb(201, 85,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8724, 0.3031, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 85, 216) }
```

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

```
.background{ background-color: rgb(201, 85,  
216) }
```

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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