

Converting Colors

$Y_{xy}(23.0443, 0.3042, 0.1806)$

Have a look what the booklet for
Yxy(23.0443, 0.3042, 0.1806)
contains.

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Color

Yxy(23.1690, 0.3041, 0.1808)

Conversions

Conversions Part 1

Format	Color
Hex	C852D6
RGB	200, 82, 214
RGB Percent	78%, 32%, 84%
CMY	0.2157, 0.6783, 0.1609
CMYK	0.07, 0.62, 0.00, 0.16
HSL	294°, 62%, 58%
HSV	294°, 62%, 84%
XYZ	38.9695, 23.1690, 66.0086
YIQ	132.3300, 27.9560, 66.0680

Conversions

Conversions Part 2

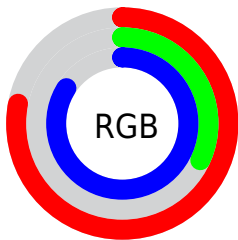
Format	Color
R _{YB}	200, 82, 214
Decimal	13128406
CIE _{Lab}	55.25, 64.35, -46.43
CIE _{LCh}	55, 79.355, 324.190
Yxy	23.1690, 0.3041, 0.1808
Android (android.graphics.Color)	4291318486 (0xFFC852D6)
YUV	132.3300, 40.2633, 59.3466
Hunter-Lab	48.1342, 60.2792, -47.6131

Details

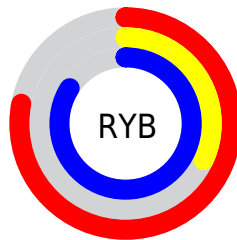
The Yxy color **23.1690, 0.3041, 0.1808** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **51.1676, 0.3106, 0.5231**, and the grayscale version is **23.0467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **8.6569, 0.2960, 0.1444** is the 20% darker color. If you saturate the color by 10%, you get **20.1204, 0.3017, 0.1641**, and if you desaturate by 10%, it is **27.2300, 0.3063, 0.2012**.

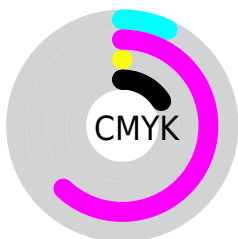
Distribution



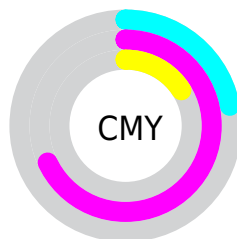
- Red (78%)
- Green (32%)
- Blue (84%)



- Red (78%)
- Yellow (32%)
- Blue (84%)



- Cyan (7%)
- Magenta (62%)
- Yellow (0%)
- Black (16%)





- Cyan (22%)
- Magenta (68%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1690, 0.3041, 0.1808 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 23.1690, 0.3041, 0.1808 by changing the saturation by 10% instead.


 23.1690, 0.3041,
0.1808


 23.1690, 0.3041,
0.1808


268.5918, 0.3122,
0.2519


 14.7183, 0.3009,
0.1645


 48.6707, 0.3079,
0.2056


 8.6220, 0.2961,
0.1447


 66.4905, 0.3091,
0.2153

 4.4954, 0.2887,
0.1202


 88.2021, 0.3100,
0.2236

 1.9544, 0.2765,
0.0901

 114.1900, 0.3107,
0.2307

 0.5808, 0.2560,
0.0516

144.8385, 0.3112,
0.2370

 0.0000, 0.2196,
0.0000

180.5321, 0.3116,


 0.0000, 0.0117,


0.2426


0.0000

221.6550, 0.3120,
0.2475


 0.0000, 0.0000,
0.0000


 23.1690, 0.3041,
0.1808


 23.1690, 0.3041,
0.1808


 20.1204, 0.3017,
0.1641


 27.2300, 0.3063,
0.2012


 17.9841, 0.2991,
0.1515

 32.3849, 0.3082,
0.2243

 16.6449, 0.2964,
0.1435


 38.7105, 0.3097,
0.2492


 15.9709, 0.2941,
0.1394


 46.2759, 0.3110,
0.2748

 55.1445, 0.3119,
0.3003

 65.3757, 0.3126,
0.3250

 77.0250, 0.3131,
0.3485

 90.1450, 0.3134,
0.3704

 91.6469, 0.3147,
0.3720

Harmonies

Analogous

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



23.1690, 0.1931, 0.1502



23.1690, 0.3041, 0.1808



23.1690, 0.4490, 0.2378

Triad

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



23.1690, 0.3041, 0.1808



23.1690, 0.4945, 0.4815



23.1690, 0.1170, 0.2757

Complementary

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



23.1690, 0.3041, 0.1808



51.1676, 0.3106, 0.5231

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.



23.1690, 0.1710, 0.4389



23.1690, 0.3041, 0.1808



23.1690, 0.3872, 0.5699

Square

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



23.1690, 0.3041, 0.1808



23.1690, 0.5648, 0.3895



23.1690, 0.2711, 0.5776



23.1690, 0.1070, 0.1840

Rectangle

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



23.1690, 0.3041, 0.1808



23.1690, 0.5299, 0.2851



23.1690, 0.2711, 0.5776



23.1690, 0.1294, 0.3234

Sweetspot

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



23.1700, 0.3041, 0.1808



73.2205, 0.3113, 0.2837



15.2739, 0.1979, 0.1517



14.8794, 0.3110, 0.2762



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.



23.1700, 0.3041, 0.1808



28.8196, 0.3009, 0.1597



22.9859, 0.3828, 0.2354



12.5629, 0.3121, 0.3059



9.6848, 0.2946, 0.1396



0.6037, 0.2994, 0.1423

Inverse Universe

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



21.1720, 0.4871, 0.3139



25.8678, 0.5458, 0.3145



51.5495, 0.2793, 0.4538



12.4420, 0.3275, 0.3266



8.6850, 0.6267, 0.3226



0.5312, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 23.1690, 0.3041, 0.1808 looks on a white background.

Color Contrast Check

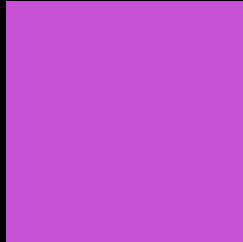
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1690, 0.3041, 0.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

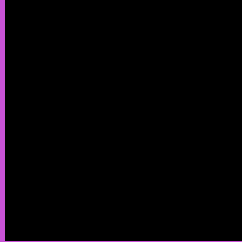
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1690, 0.3041, 0.1808

Background



This preview shows how black text looks on a background with the Yxy color 23.1690, 0.3041, 0.1808.



This preview shows how white text looks on a background with the Yxy color 23.1690, 0.3041, 0.1808.

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

23.1690, 0.3041, 0.1808

Protanopia

23.6190, 0.1855, 0.1586

Deuteranopia

23.3432, 0.2214, 0.2155



Tritanopia

23.1512, 0.4065, 0.3181

Trichromacy



Original Color

23.1690, 0.3041, 0.1808

Protanomaly

21.0397, 0.2087, 0.1570

Deuteranomaly

21.5752, 0.2438, 0.1943

Tritanomaly

22.6207, 0.3663, 0.2586

Monochromacy



Original Color

23.1690, 0.3041, 0.1808

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

21.8114, 0.3102, 0.2558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1690, 0.3041, 0.1808 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(200, 82, 214)` looks like.

```
.text, #text, p{  
    color:rgb(200, 82, 214)  
}
```

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(200, 82, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 82, 214) }
```

Border

The CSS property to change the border of an element to Yxy 23.1690, 0.3041, 0.1808 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(200, 82, 214) }
```

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

```
.border{ border-color:rgb(200, 82, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 82, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 82, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 82, 214);  
box-shadow:4px 4px 4px 4px rgb(200, 82,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1690, 0.3041, 0.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 82, 214) }
```

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

```
.background{ background-color: rgb(200, 82,  
214) }
```

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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