

Converting Colors

$Y_{xy}(23.8338, 0.3185, 0.2058)$

Have a look what the booklet for
Yxy(23.8338, 0.3185, 0.2058)
contains.

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Color

Yxy(23.7267, 0.3185, 0.2057)

Conversions

Conversions Part 1

Format	Color
Hex	C45EC4
RGB	196, 94, 196
RGB Percent	77%, 37%, 77%
CMY	0.2313, 0.6314, 0.2313
CMYK	0.00, 0.52, 0.00, 0.23
HSL	300°, 46%, 57%
HSV	300°, 52%, 77%
XYZ	36.7377, 23.7267, 54.8817
YIQ	136.1260, 28.0500, 53.3460

Conversions

Conversions Part 2

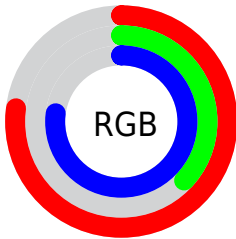
Format	Color
R _Y B	196, 94, 196
Decimal	12869316
CIE Lab	55.81, 54.68, -35.35
CIE LCh	56, 65.111, 327.116
Yxy	23.7267, 0.3185, 0.2057
Android (android.graphics.Color)	4291059396 (0xFFC45EC4)
YUV	136.1260, 29.5179, 52.5095
Hunter-Lab	48.7101, 49.3844, -32.7051

Details

The Yxy color **23.7267, 0.3185, 0.2057** 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 **42.6771, 0.3050, 0.4934**, and the grayscale version is **24.5490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5317, 0.3192, 0.2273**, and **8.9795, 0.3167, 0.1731** is the 20% darker color. If you saturate the color by 10%, you get **20.6739, 0.3194, 0.1875**, and if you desaturate by 10%, it is **27.6667, 0.3175, 0.2269**.

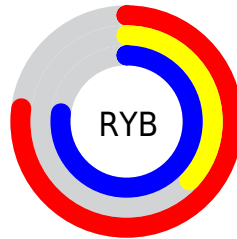
Distribution



Red (77%)

Green (37%)

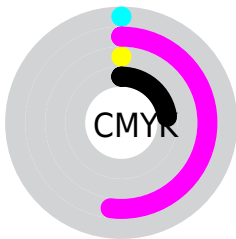
Blue (77%)



Red (77%)

Yellow (37%)

Blue (77%)

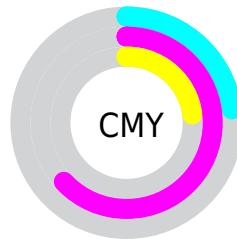


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (23%)



Cyan (23%)


Magenta (63%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7267, 0.3185, 0.2057 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 23.7267, 0.3185, 0.2057 by changing the saturation by 10% instead.


 23.7267, 0.3185,
0.2057


 23.7267, 0.3185,
0.2057


271.4358, 0.3179,
0.2667


 15.1310, 0.3178,
0.1910


 49.5838, 0.3189,
0.2275


 8.9114, 0.3164,
0.1726

 67.6141, 0.3188,
0.2359

 4.6834, 0.3137,
0.1491


 89.5580, 0.3187,
0.2429

 2.0627, 0.3081,
0.1184

 115.7999, 0.3186,
0.2490

 0.6435, 0.2966,
0.0763

146.7243, 0.3184,
0.2543

 0.0000, 0.2755,
0.0000

182.7154, 0.3183,

 0.0000, 0.0000,

0.2590

0.0000

224.1578, 0.3181,
0.2631

■ 23.7267, 0.3185,
0.2057

■ 23.7267, 0.3185,
0.2057

■ 20.6739, 0.3194,
0.1875

■ 27.6667, 0.3175,
0.2269

■ 18.4367, 0.3200,
0.1731

■ 32.5519, 0.3164,
0.2503

■ 16.9378, 0.3205,
0.1628

■ 38.4392, 0.3153,
0.2748

■ 16.0834, 0.3208,
0.1567

■ 45.3800, 0.3141,
0.2997

■ 15.7254, 0.3209,
0.1542

■ 53.4223, 0.3129,
0.3241

■ 62.6112, 0.3118,
0.3475

■ 72.9889, 0.3108,
0.3697

■ 84.5960, 0.3098,
0.3902

■ 87.2456, 0.3096,
0.3944

Harmonies

Analogous

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



23.7267, 0.2196, 0.1756



23.7267, 0.3185, 0.2057



23.7267, 0.4361, 0.2590

Triad

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



23.7267, 0.3185, 0.2057



23.7267, 0.4677, 0.4768



23.7267, 0.1424, 0.2790

Complementary

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



23.7267, 0.3185, 0.2057



42.6771, 0.3050, 0.4934

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.



23.7267, 0.1894, 0.4043



23.7267, 0.3185, 0.2057



23.7267, 0.3764, 0.5358

Square

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



23.7267, 0.3185, 0.2057



23.7267, 0.5250, 0.3993



23.7267, 0.2752, 0.5188



23.7267, 0.1342, 0.2031

Rectangle

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



23.7267, 0.3185, 0.2057



23.7267, 0.4984, 0.3027



23.7267, 0.2752, 0.5188



23.7267, 0.1533, 0.3163

Sweetspot

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



23.7278, 0.3185, 0.2057



76.6744, 0.3146, 0.2893



14.6734, 0.2141, 0.1677



15.8512, 0.3148, 0.2841



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.



23.7278, 0.3185, 0.2057



37.0108, 0.3194, 0.1860



21.8385, 0.3818, 0.2604



10.2475, 0.3138, 0.3063



10.1015, 0.3209, 0.1542



0.4365, 0.3209, 0.1542

Inverse Universe

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



20.5491, 0.4616, 0.3294



30.6521, 0.5125, 0.3296



43.8616, 0.2762, 0.4129



10.0779, 0.3289, 0.3290



7.5408, 0.6401, 0.3300



0.3258, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 23.7267, 0.3185, 0.2057 looks on a white background.

Color Contrast Check

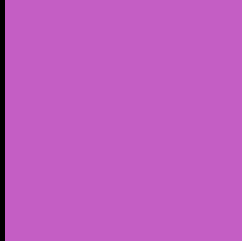
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7267, 0.3185, 0.2057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

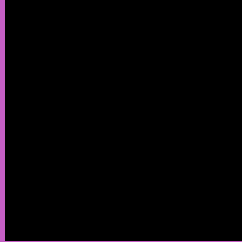
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7267, 0.3185, 0.2057

Background



This preview shows how black text looks on a background with the Yxy color 23.7267, 0.3185, 0.2057.



This preview shows how white text looks on a background with the Yxy color 23.7267, 0.3185, 0.2057.

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

23.7267, 0.3185, 0.2057

Protanopia

24.1612, 0.2090, 0.1896

Deuteranopia

24.0266, 0.2451, 0.2402



Tritanopia

23.7555, 0.3996, 0.3180

Trichromacy



Original Color

23.7267, 0.3185, 0.2057



Protanomaly

22.6606, 0.2368, 0.1911



Deuteranomaly

22.9287, 0.2671, 0.2218



Tritanomaly

23.3933, 0.3691, 0.2721

Monochromacy



Original Color

23.7267, 0.3185, 0.2057



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.4125, 0.3154, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7267, 0.3185, 0.2057 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(196, 94, 196)` looks like.

```
.text, #text, p{  
  color:rgb(196, 94, 196)  
}
```

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(196, 94, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 94, 196) }
```

Border

The CSS property to change the border of an element to Yxy 23.7267, 0.3185, 0.2057 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(196, 94, 196) }
```

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

```
.border{ border-color:rgb(196, 94, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 94, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 94, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 94, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 94,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7267, 0.3185, 0.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 94, 196) }
```

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

```
.background{ background-color: rgb(196, 94,  
196) }
```

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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