

Converting Colors

$Y_{xy}(23.3689, 0.3244, 0.1939)$

Have a look what the booklet for
Yxy(23.3689, 0.3244, 0.1939)
contains.

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Color

Yxy(23.4207, 0.3237, 0.1937)

Conversions

Conversions Part 1

Format	Color
Hex	CE52CA
RGB	206, 82, 202
RGB Percent	81%, 32%, 79%
CMY	0.1921, 0.6785, 0.2077
CMYK	0.00, 0.60, 0.02, 0.19
HSL	302°, 56%, 56%
HSV	302°, 60%, 81%
XYZ	39.1393, 23.4207, 58.3522
YIQ	132.7560, 35.3840, 63.6080

Conversions

Conversions Part 2

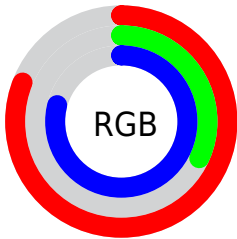
Format	Color
R _{YB}	206, 82, 202
Decimal	13521610
CIE _{Lab}	55.50, 63.78, -39.17
CIE _{LCh}	56, 74.853, 328.444
Yxy	23.4207, 0.3237, 0.1937
Android (android.graphics.Color)	4291711690 (0xFFCE52CA)
YUV	132.7560, 34.1373, 64.2350
Hunter-Lab	48.3949, 59.6703, -37.6125

Details

The Yxy color **23.4207, 0.3237, 0.1937** 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 **46.6191, 0.3019, 0.5168**, and the grayscale version is **23.2243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **8.6903, 0.3224, 0.1590** is the 20% darker color. If you saturate the color by 10%, you get **20.7370, 0.3254, 0.1788**, and if you desaturate by 10%, it is **27.0391, 0.3219, 0.2122**.

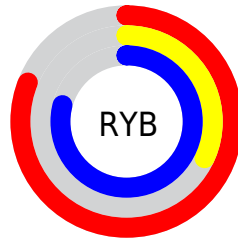
Distribution



Red (81%)

Green (32%)

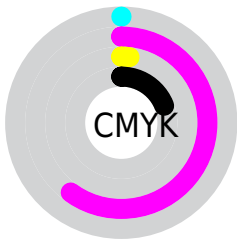
Blue (79%)



Red (81%)

Yellow (32%)

Blue (79%)

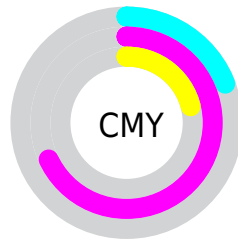


Cyan (0%)

Magenta (60%)

Yellow (2%)

Black (19%)



Cyan (19%)


Magenta (68%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4207, 0.3237, 0.1937 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 23.4207, 0.3237, 0.1937 by changing the saturation by 10% instead.


 23.4207, 0.3237,
0.1937

 23.4207, 0.3237,
0.1937


269.8785, 0.3209,
0.2596


 14.9045, 0.3234,
0.1782


 49.0832, 0.3234,
0.2170


 8.7524, 0.3225,
0.1591


 66.9982, 0.3231,
0.2260

 4.5800, 0.3203,
0.1350


 88.8150, 0.3227,
0.2336

 2.0030, 0.3153,
0.1045

 114.9179, 0.3223,
0.2402

 0.6092, 0.3049,
0.0638

145.6913, 0.3220,
0.2460

 0.0000, 0.2838,
0.0000

181.5196, 0.3216,


 0.0000, 0.0310,

0.2511


0.0000


222.7872, 0.3213,
0.2556


 0.0000, 0.0000,
0.0000

 23.4207, 0.3237,
0.1937


 23.4207, 0.3237,
0.1937


 20.7370, 0.3254,
0.1788


 27.0391, 0.3219,
0.2122


 18.8984, 0.3269,
0.1681


 31.6647, 0.3200,
0.2335

 17.8036, 0.3281,
0.1616

 37.3665, 0.3181,
0.2567

 17.2670, 0.3292,
0.1587

 44.2067, 0.3162,
0.2807

 52.2425, 0.3144,
0.3049

■ 61.5275, 0.3127,
0.3285

■ 72.1118, 0.3112,
0.3511

■ 84.0431, 0.3099,
0.3722

■ 89.1997, 0.3091,
0.3798

Harmonies

Analogous

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



23.4207, 0.2112, 0.1600



23.4207, 0.3237, 0.1937



23.4207, 0.4598, 0.2520

Triad

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



23.4207, 0.3237, 0.1937



23.4207, 0.4762, 0.4913



23.4207, 0.1218, 0.2635

Complementary

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



23.4207, 0.3237, 0.1937



46.6191, 0.3019, 0.5168

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.



23.4207, 0.1685, 0.4084



23.4207, 0.3237, 0.1937



23.4207, 0.3719, 0.5657

Square

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



23.4207, 0.3237, 0.1937



23.4207, 0.5480, 0.4027



23.4207, 0.2605, 0.5495



23.4207, 0.1163, 0.1839

Rectangle

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



23.4207, 0.3237, 0.1937



23.4207, 0.5293, 0.2990



23.4207, 0.2605, 0.5495



23.4207, 0.1322, 0.3051

Sweetspot

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



23.4218, 0.3237, 0.1937



74.0351, 0.3158, 0.2856



12.3749, 0.1979, 0.1374



15.0815, 0.3164, 0.2784



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.



23.4218, 0.3237, 0.1937



32.6623, 0.3258, 0.1755



21.1071, 0.4051, 0.2563



11.3973, 0.3143, 0.3069



10.6324, 0.3291, 0.1586



0.5505, 0.3273, 0.1577

Inverse Universe

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



23.4218, 0.3237, 0.1937



32.6623, 0.3258, 0.1755



48.0251, 0.2706, 0.4226



11.3973, 0.3143, 0.3069



10.6324, 0.3291, 0.1586



0.5505, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 23.4207, 0.3237, 0.1937 looks on a white background.

Color Contrast Check

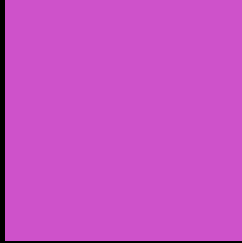
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4207, 0.3237, 0.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

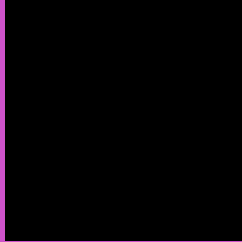
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4207, 0.3237, 0.1937

Background



This preview shows how black text looks on a background with the Yxy color 23.4207, 0.3237, 0.1937.



This preview shows how white text looks on a background with the Yxy color 23.4207, 0.3237, 0.1937.

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

23.4207, 0.3237, 0.1937

Protanopia

24.0537, 0.1941, 0.1706

Deuteranopia

23.6488, 0.2376, 0.2312



Tritanopia

23.2587, 0.4241, 0.3186

Trichromacy



Original Color

23.4207, 0.3237, 0.1937



Protanomaly

21.6784, 0.2227, 0.1711



Deuteranomaly

21.9951, 0.2623, 0.2091



Tritanomaly

22.9041, 0.3868, 0.2662

Monochromacy



Original Color

23.4207, 0.3237, 0.1937



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

21.9768, 0.3183, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4207, 0.3237, 0.1937 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(206, 82, 202)` looks like.

```
.text, #text, p{  
    color:rgb(206, 82, 202)  
}
```

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(206, 82, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 82, 202) }
```

Border

The CSS property to change the border of an element to Yxy 23.4207, 0.3237, 0.1937 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(206, 82, 202) }
```

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

```
.border{ border-color:rgb(206, 82, 202) }
```

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

Here you see how a box with a 4 pixel rgb(206, 82, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 82, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 82, 202);  
box-shadow:4px 4px 4px 4px rgb(206, 82,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4207, 0.3237, 0.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 82, 202) }
```

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

```
.background{ background-color: rgb(206, 82,  
202) }
```

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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