

Converting Colors

$Y_{xy}(23.5759, 0.3188, 0.1645)$

Have a look what the booklet for
Yxy(23.5759, 0.3188, 0.1645)
contains.

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Color

Yxy(23.5349, 0.3182, 0.1644)

Conversions

Conversions Part 1

Format	Color
Hex	E031E2
RGB	224, 49, 226
RGB Percent	88%, 19%, 89%
CMY	0.1217, 0.8074, 0.1139
CMYK	0.01, 0.78, 0.00, 0.11
HSL	299°, 75%, 54%
HSV	299°, 78%, 89%
XYZ	45.5523, 23.5349, 74.0691
YIQ	121.5030, 47.4830, 92.1470

Conversions

Conversions Part 2

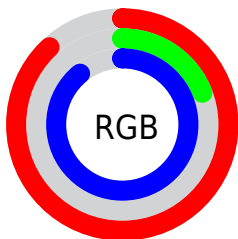
Format	Color
R _{YB}	224, 49, 226
Decimal	14692834
CIE _{Lab}	55.62, 82.58, -52.41
CIE _{LCh}	56, 97.812, 327.597
Yxy	23.5349, 0.3182, 0.1644
Android (android.graphics.Color)	4292882914 (0xFFE031E2)
YUV	121.5030, 51.5170, 89.8899
Hunter-Lab	48.5128, 82.7099, -56.5647

Details

The Yxy color **23.5349, 0.3182, 0.1644** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **55.3044, 0.3018, 0.5732**, and the grayscale version is **19.1277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9708, 0.3188, 0.1993**, and **10.7948, 0.3122, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **22.0506, 0.3182, 0.1568**, and if you desaturate by 10%, it is **25.9684, 0.3180, 0.1763**.

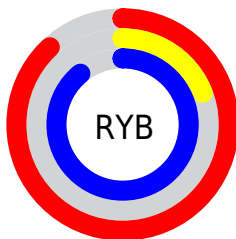
Distribution



Red (88%)

Green (19%)

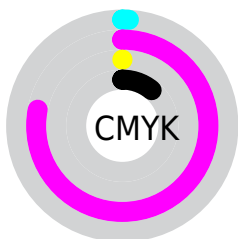
Blue (89%)



Red (88%)

Yellow (19%)

Blue (89%)

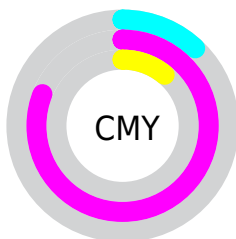


Cyan (1%)

Magenta (78%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (81%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5349, 0.3182, 0.1644 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 23.5349, 0.3182, 0.1644 by changing the saturation by 10% instead.


 23.5349, 0.3182,
0.1644


 23.5349, 0.3182,
0.1644


270.4606, 0.3200,
0.2406


 14.9890, 0.3164,
0.1478


 49.2702, 0.3199,
0.1904

 8.8116, 0.3134,
0.1279


 67.2283, 0.3202,
0.2007

 4.6185, 0.3083,
0.1041


 89.0926, 0.3204,
0.2096

 2.0252, 0.2993,
0.0760

 115.2474, 0.3204,
0.2174

 0.6221, 0.2834,
0.0427

 146.0773, 0.3204,
0.2242

 0.0000, 0.2554,
0.0000

181.9665, 0.3203,


 0.0000, 0.1800,

0.2303


0.0000


223.2995, 0.3202,
0.2357


 0.0000, 0.0000,
0.0000


 23.5349, 0.3182,
0.1644


 23.5349, 0.3182,
0.1644


 22.0506, 0.3182,
0.1568


 25.9684, 0.3180,
0.1763


 21.3329, 0.3181,
0.1531

 29.4724, 0.3176,
0.1924

 21.2406, 0.3181,
0.1526

 34.1537, 0.3170,
0.2121

 40.1054, 0.3162,
0.2345

 47.4113, 0.3154,
0.2588

■ 56.1479, 0.3145,
0.2838

■ 66.3860, 0.3135,
0.3088

■ 78.1920, 0.3126,
0.3332

■ 91.6280, 0.3116,
0.3563

Harmonies

Analogous

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



23.5349, 0.1837, 0.1282



23.5349, 0.3182, 0.1644



23.5349, 0.4963, 0.2288

Triad

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



23.5349, 0.3182, 0.1644



23.5349, 0.4972, 0.5028



23.5349, 0.0855, 0.2419

Complementary

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



23.5349, 0.3182, 0.1644



55.3044, 0.3018, 0.5732

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.



23.5349, 0.1326, 0.4372



23.5349, 0.3182, 0.1644



23.5349, 0.3649, 0.6182

Square

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



23.5349, 0.3182, 0.1644



23.5349, 0.5941, 0.3905



23.5349, 0.2363, 0.6325



23.5349, 0.0824, 0.1514

Rectangle

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



23.5349, 0.3182, 0.1644



23.5349, 0.5865, 0.2796



23.5349, 0.2363, 0.6325



23.5349, 0.0952, 0.2944

Sweetspot

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



23.5360, 0.3182, 0.1644



67.9918, 0.3149, 0.2715



8.6067, 0.1663, 0.0882



13.6843, 0.3152, 0.2624



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.



23.5360, 0.3182, 0.1644



28.3172, 0.3182, 0.1541



20.2777, 0.4408, 0.2401



13.9273, 0.3136, 0.3059



12.1256, 0.3181, 0.1526



0.8431, 0.3186, 0.1529

Inverse Universe

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



18.6099, 0.5834, 0.3284



21.6539, 0.6316, 0.3294



56.7683, 0.2698, 0.4669



13.7031, 0.3290, 0.3288



9.2287, 0.6388, 0.3293



0.6406, 0.6350, 0.3272

Previews

White Background



This preview shows how the Yxy color 23.5349, 0.3182, 0.1644 looks on a white background.

Color Contrast Check

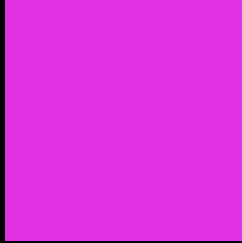
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5349, 0.3182, 0.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

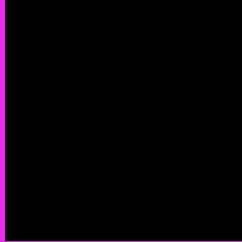
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5349, 0.3182, 0.1644

Background



This preview shows how black text looks on a background with the Yxy color 23.5349, 0.3182, 0.1644.



This preview shows how white text looks on a background with the Yxy color 23.5349, 0.3182, 0.1644.

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

23.5349, 0.3182, 0.1644

Protanopia

24.1774, 0.1865, 0.1613

Deuteranopia

23.9315, 0.2130, 0.2073



Tritanopia

23.2505, 0.4605, 0.3210

Trichromacy



Original Color

23.5349, 0.3182, 0.1644



Protanomaly

19.8321, 0.2105, 0.1453



Deuteranomaly

20.0808, 0.2385, 0.1722



Tritanomaly

22.3225, 0.4073, 0.2509

Monochromacy



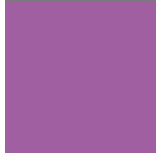
Original Color

23.5349, 0.3182, 0.1644



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.0934, 0.3160, 0.2312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5349, 0.3182, 0.1644 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(224, 49, 226)` looks like.

```
.text, #text, p{  
    color:rgb(224, 49, 226)  
}
```

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(224, 49, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 49, 226) }
```

Border

The CSS property to change the border of an element to Yxy 23.5349, 0.3182, 0.1644 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(224, 49, 226) }
```

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

```
.border{ border-color:rgb(224, 49, 226) }
```

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

Here you see how a box with a 4 pixel rgb(224, 49, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 49, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 49, 226);  
box-shadow:4px 4px 4px 4px rgb(224, 49,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5349, 0.3182, 0.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 49, 226) }
```

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

```
.background{ background-color: rgb(224, 49,  
226) }
```

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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