

Converting Colors

$Y_{xy}(23.5849, 0.3028, 0.1511)$

Have a look what the booklet for
Yxy(23.5849, 0.3028, 0.1511)
contains.

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Color

Yxy(23.6492, 0.3029, 0.1513)

Conversions

Conversions Part 1

Format	Color
Hex	E027F1
RGB	224, 39, 241
RGB Percent	88%, 15%, 95%
CMY	0.1216, 0.8471, 0.0548
CMYK	0.07, 0.84, 0.00, 0.05
HSL	295°, 88%, 55%
HSV	295°, 84%, 95%
XYZ	47.3453, 23.6492, 85.3122
YIQ	117.3430, 45.4180, 102.0420

Conversions

Conversions Part 2

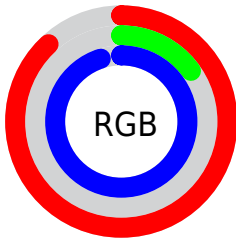
Format	Color
R _{YB}	224, 39, 241
Decimal	14690289
CIE _{Lab}	55.73, 87.15, -60.70
CIE _{LCh}	56, 106.206, 325.144
Yxy	23.6492, 0.3029, 0.1513
Android (android.graphics.Color)	4292880369 (0xFFE027F1)
YUV	117.3430, 60.9629, 93.5382
Hunter-Lab	48.6304, 88.6795, -69.9709

Details

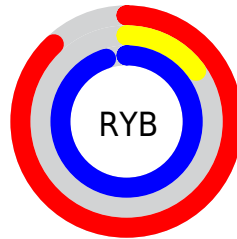
The Yxy color **23.6492, 0.3029, 0.1513** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **63.9170, 0.3046, 0.5817**, and the grayscale version is **17.6982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **11.3532, 0.2937, 0.1391** is the 20% darker color. If you saturate the color by 10%, you get **22.2152, 0.3008, 0.1447**, and if you desaturate by 10%, it is **26.0923, 0.3049, 0.1622**.

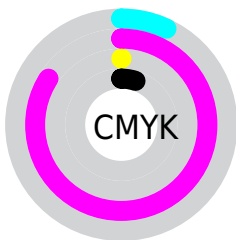
Distribution



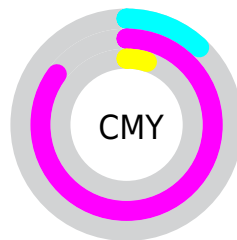
- Red (88%)
- Green (15%)
- Blue (95%)



- Red (88%)
- Yellow (15%)
- Blue (95%)



- Cyan (7%)
- Magenta (84%)
- Yellow (0%)
- Black (5%)




- Cyan (12%)
- Magenta (85%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6492, 0.3029, 0.1513 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 23.6492, 0.3029, 0.1513 by changing the saturation by 10% instead.


 23.6492, 0.3029,
0.1513


 23.6492, 0.3029,
0.1513

271.0421, 0.3133,
0.2315


 15.0736, 0.2989,
0.1344


 49.4571, 0.3078,
0.1782

 8.8711, 0.2931,
0.1146


 67.4583, 0.3093,
0.1889

 4.6572, 0.2844,
0.0915


 89.3700, 0.3105,
0.1983

 2.0476, 0.2710,
0.0650

 115.5768, 0.3114,
0.2066

 0.6349, 0.2497,
0.0353

 146.4630, 0.3121,
0.2139

 0.0000, 0.2159,
0.0000

182.4130, 0.3126,

 0.0000, 0.1512,

0.2204

0.0000

223.8113, 0.3130,
0.2263

■ 0.0000, 0.0000,
0.0000

■ 23.6492, 0.3029,
0.1513

■ 23.6492, 0.3029,
0.1513

■ 22.2152, 0.3008,
0.1447

■ 26.0923, 0.3049,
0.1622

■ 21.6789, 0.2995,
0.1423

■ 29.7062, 0.3068,
0.1776

■ 34.6273, 0.3084,
0.1968

■ 40.9724, 0.3098,
0.2191

■ 48.8453, 0.3109,
0.2435

■ 58.3403, 0.3117,
0.2690

■ 69.5439, 0.3123,
0.2946

■ 82.5365, 0.3126,
0.3197

■ 96.8007, 0.3129,
0.3427

Harmonies

Analogous

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



23.6492, 0.1674, 0.1170



23.6492, 0.3029, 0.1513



23.6492, 0.4951, 0.2154

Triad

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



23.6492, 0.3029, 0.1513



23.6492, 0.5088, 0.4912



23.6492, 0.0762, 0.2451

Complementary

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



23.6492, 0.3029, 0.1513



63.9170, 0.3046, 0.5817

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.



23.6492, 0.1265, 0.4676



23.6492, 0.3029, 0.1513



23.6492, 0.3719, 0.6281

Square

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



23.6492, 0.3029, 0.1513



23.6492, 0.6132, 0.3768



23.6492, 0.2353, 0.6685



23.6492, 0.0716, 0.1452

Rectangle

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



23.6492, 0.3029, 0.1513



23.6492, 0.5981, 0.2665



23.6492, 0.2353, 0.6685



23.6492, 0.0865, 0.3047

Sweetspot

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



23.6502, 0.3029, 0.1513



64.8454, 0.3116, 0.2658



9.9328, 0.1627, 0.0884



13.0374, 0.3113, 0.2567



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.



23.6502, 0.3029, 0.1513



24.6276, 0.2994, 0.1423



22.7029, 0.4272, 0.2236



15.9597, 0.3124, 0.3056



11.7818, 0.2998, 0.1425



1.0000, 0.3028, 0.1442

Inverse Universe

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



20.4430, 0.5906, 0.3201



21.3160, 0.6331, 0.3261



64.7116, 0.2772, 0.5028



15.7805, 0.3280, 0.3270



10.1769, 0.6307, 0.3248



0.8540, 0.6091, 0.3129

Previews

White Background



This preview shows how the Yxy color 23.6492, 0.3029, 0.1513 looks on a white background.

Color Contrast Check

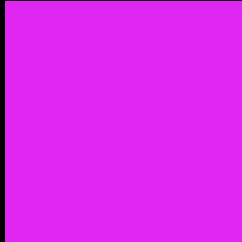
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6492, 0.3029, 0.1513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

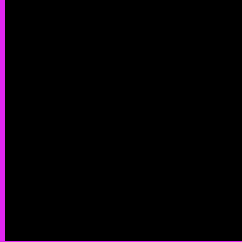
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6492, 0.3029, 0.1513

Background



This preview shows how black text looks on a background with the Yxy color 23.6492, 0.3029, 0.1513.



This preview shows how white text looks on a background with the Yxy color 23.6492, 0.3029, 0.1513.

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

23.6492, 0.3029, 0.1513

Protanopia

24.1774, 0.1865, 0.1613

Deuteranopia

24.0322, 0.1985, 0.1925



Tritanopia

23.5858, 0.4519, 0.3208

Trichromacy



Original Color

23.6492, 0.3029, 0.1513



Protanomaly

19.4446, 0.2071, 0.1375



Deuteranomaly

19.1515, 0.2183, 0.1532



Tritanomaly

22.1452, 0.3945, 0.2396

Monochromacy



Original Color

23.6492, 0.3029, 0.1513



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.8213, 0.3100, 0.2190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6492, 0.3029, 0.1513 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, 39, 241)` looks like.

```
.text, #text, p{  
    color:rgb(224, 39, 241)  
}
```

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, 39, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 39, 241) }
```

Border

The CSS property to change the border of an element to Yxy 23.6492, 0.3029, 0.1513 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, 39, 241) }
```

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

```
.border{ border-color:rgb(224, 39, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 39, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 39, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 39, 241);  
box-shadow:4px 4px 4px 4px rgb(224, 39,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6492, 0.3029, 0.1513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 39, 241) }
```

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

```
.background{ background-color: rgb(224, 39,  
241) }
```

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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