

Converting Colors

$Y_{xy}(25.4505, 0.2901, 0.1477)$

Have a look what the booklet for
Yxy(25.4505, 0.2901, 0.1477)
contains.

Yxy(25.4349, 0.2901, 0.1476)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.4349, 0.2901, 0.1476)

Conversions

Conversions Part 1

Format	Color
Hex	E033FF
RGB	224, 51, 255
RGB Percent	88%, 20%, 100%
CMY	0.1213, 0.8005, 0.0000
CMYK	0.12, 0.80, 0.00, 0.00
HSL	291°, 100%, 60%
HSV	291°, 80%, 100%
XYZ	49.9910, 25.4349, 96.8973
YIQ	125.9830, 37.6240, 100.1200

Conversions

Conversions Part 2

Format	Color
R _Y B	224, 51, 255
Decimal	14693375
CIE _{Lab}	57.50, 86.81, -65.66
CIE _{LCh}	57, 108.840, 322.898
Y _{xy}	25.4349, 0.2901, 0.1476
Android (android.graphics.Color)	4292883455 (0xFFE033FF)
YUV	125.9830, 63.6054, 85.9609
Hunter-Lab	50.4330, 88.6776, -78.6112

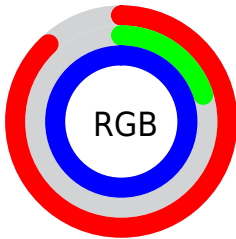
Details

The Yxy color **25.4349, 0.2901, 0.1476** is a light color, and the websafe version is hex **CC33FF**.

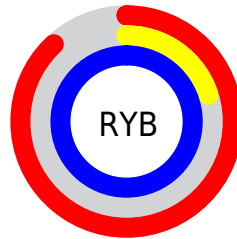
The color can be described as light washed magenta. A complement of this color would be **73.5435, 0.3097, 0.5720**, and the grayscale version is **20.6101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **11.9237, 0.2787, 0.1309** is the 20% darker color. If you saturate the color by 10%, you get **23.1785, 0.2861, 0.1382**, and if you desaturate by 10%, it is **28.9238, 0.2941, 0.1616**.

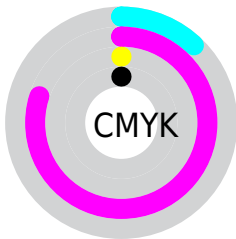
Distribution



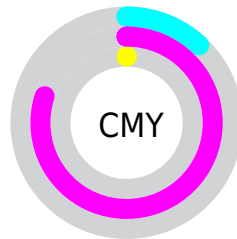
- Red (88%)
- Green (20%)
- Blue (100%)



- Red (88%)
- Yellow (20%)
- Blue (100%)



- Cyan (12%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4349, 0.2901, 0.1476 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 25.4349, 0.2901, 0.1476 by changing the saturation by 10% instead.


 25.4349, 0.2901,
0.1476


 25.4349, 0.2901,
0.1476


279.9969, 0.3070,
0.2279

 16.4014, 0.2847,
0.1311


 52.3619, 0.2972,
0.1742

 9.8086, 0.2772,
0.1118


 71.0241, 0.2996,
0.1849


 5.2722, 0.2667,
0.0896


 93.6647, 0.3015,
0.1944

 2.4079, 0.2513,
0.0644

 120.6681, 0.3031,
0.2027

 0.8299, 0.2281,
0.0374

 152.4186, 0.3043,
0.2101

 0.0000, 0.1949,
0.0000

189.3006, 0.3054,


 0.0000, 0.1381,


0.2167


0.0000


231.6986, 0.3062,
0.2226


 0.0000, 0.0000,
0.0000


 25.4349, 0.2901,
0.1476


 25.4349, 0.2901,
0.1476


 23.1785, 0.2861,
0.1382


 28.9238, 0.2941,
0.1616

 21.8729, 0.2821,
0.1328

 33.8205, 0.2979,
0.1799

 40.2715, 0.3014,
0.2017

 48.4050, 0.3045,
0.2261

 58.3359, 0.3072,
0.2519

70.1686, 0.3094,
0.2782

83.9999, 0.3113,
0.3040

99.9198, 0.3127,
0.3289

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.4349, 0.1602, 0.1157



25.4349, 0.2901, 0.1476



25.4349, 0.4809, 0.2098

Triad

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



25.4349, 0.2901, 0.1476



25.4349, 0.5185, 0.4815



25.4349, 0.0780, 0.2571

Complementary

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



25.4349, 0.2901, 0.1476



73.5435, 0.3097, 0.5720

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.



25.4349, 0.1328, 0.4879



25.4349, 0.2901, 0.1476



25.4349, 0.3819, 0.6181

Square

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



25.4349, 0.2901, 0.1476



25.4349, 0.6180, 0.3695



25.4349, 0.2448, 0.6732



25.4349, 0.0709, 0.1496

Rectangle

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



25.4349, 0.2901, 0.1476



25.4349, 0.5894, 0.2607



25.4349, 0.2448, 0.6732



25.4349, 0.0896, 0.3203

Sweetspot

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



25.4348, 0.2901, 0.1476



65.2577, 0.3086, 0.2678



14.4019, 0.1700, 0.1081



13.0766, 0.3078, 0.2584



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.



25.4348, 0.2901, 0.1476



22.3314, 0.2837, 0.1347



27.2033, 0.4011, 0.2123



18.1527, 0.3114, 0.3054



11.4818, 0.2828, 0.1331



1.1540, 0.2874, 0.1357

Inverse Universe

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



24.2235, 0.5599, 0.3087



21.6891, 0.6134, 0.3177



73.5507, 0.2819, 0.5126



18.0319, 0.3270, 0.3254



11.1974, 0.6195, 0.3186



1.1028, 0.5925, 0.3037

Previews

White Background



This preview shows how the Yxy color 25.4349, 0.2901, 0.1476 looks on a white background.

Color Contrast Check

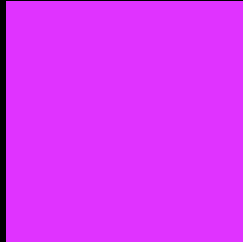
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4349, 0.2901, 0.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

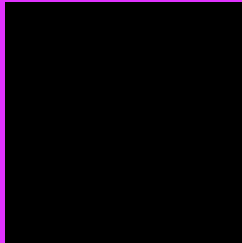
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4349, 0.2901, 0.1476

Background



This preview shows how black text looks on a background with the Yxy color 25.4349, 0.2901, 0.1476.



This preview shows how white text looks on a background with the Yxy color 25.4349, 0.2901, 0.1476.

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

25.4349, 0.2901, 0.1476

Protanopia

26.0038, 0.1923, 0.1693

Deuteranopia

25.8371, 0.1915, 0.1855



Tritanopia

25.1079, 0.4319, 0.3192

Trichromacy



Original Color

25.4349, 0.2901, 0.1476



Protanomaly

21.7878, 0.2123, 0.1443



Deuteranomaly

21.0238, 0.2079, 0.1504



Tritanomaly

23.7525, 0.3755, 0.2358

Monochromacy



Original Color

25.4349, 0.2901, 0.1476



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6222, 0.3042, 0.2219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4349, 0.2901, 0.1476 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, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 51, 255)  
}
```

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, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.4349, 0.2901, 0.1476 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, 51, 255) }
```

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

```
.border{ border-color:rgb(224, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4349, 0.2901, 0.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 51, 255) }
```

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

```
.background{ background-color: rgb(224, 51,  
255) }
```

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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