

Converting Colors

$Y_{xy}(26.0950, 0.2928, 0.1500)$

Have a look what the booklet for
Yxy(26.0950, 0.2928, 0.1500)
contains.

Yxy(26.0971, 0.2930, 0.1499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.0971, 0.2930, 0.1499)

Conversions

Conversions Part 1

Format	Color
Hex	E335FF
RGB	227, 53, 255
RGB Percent	89%, 21%, 100%
CMY	0.1097, 0.7923, 0.0000
CMYK	0.11, 0.79, 0.00, 0.00
HSL	292°, 100%, 60%
HSV	292°, 79%, 100%
XYZ	51.0103, 26.0971, 96.9893
YIQ	128.0540, 38.8620, 99.7100

Conversions

Conversions Part 2

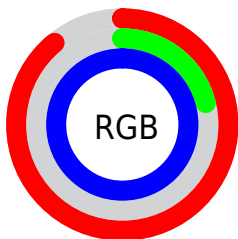
Format	Color
R _Y B	227, 53, 255
Decimal	14890495
CIE Lab	58.13, 86.81, -64.63
CIE LCh	58, 108.221, 323.333
Yxy	26.0971, 0.2930, 0.1499
Android (android.graphics.Color)	4293080575 (0xFFE335FF)
YUV	128.0540, 62.5844, 86.7756
Hunter-Lab	51.0853, 88.8387, -76.8068

Details

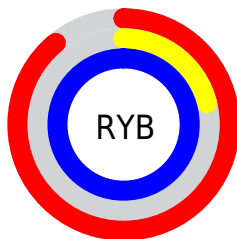
The Yxy color **26.0971, 0.2930, 0.1499** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **73.5230, 0.3090, 0.5710**, and the grayscale version is **21.3669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **12.2467, 0.2825, 0.1330** is the 20% darker color. If you saturate the color by 10%, you get **23.7901, 0.2894, 0.1404**, and if you desaturate by 10%, it is **29.6473, 0.2966, 0.1640**.

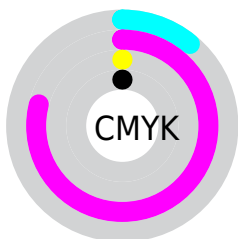
Distribution



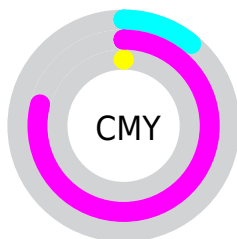
- Red (89%)
- Green (21%)
- Blue (100%)



- Red (89%)
- Yellow (21%)
- Blue (100%)



- Cyan (11%)
- Magenta (79%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (79%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0971, 0.2930, 0.1499 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 26.0971, 0.2930, 0.1499 by changing the saturation by 10% instead.


 26.0971, 0.2930,
0.1499


 26.0971, 0.2930,
0.1499

283.2584, 0.3083,
0.2292


 16.8963, 0.2880,
0.1335


 53.4316, 0.2995,
0.1762


 10.1606, 0.2811,
0.1145


 72.3340, 0.3017,
0.1868


 5.5056, 0.2713,
0.0924


 95.2391, 0.3034,
0.1961

 2.5468, 0.2568,
0.0672

 122.5313, 0.3048,
0.2043

 0.9000, 0.2348,
0.0400

 154.5949, 0.3059,
0.2116

 0.0000, 0.2035,
0.0000


191.8143, 0.3069,


 0.0000, 0.1476,


0.2181


0.0000

234.5741, 0.3076,
0.2239


 0.0000, 0.0000,
0.0000


 26.0971, 0.2930,
0.1499


 26.0971, 0.2930,
0.1499


 23.7901, 0.2894,
0.1404


 29.6473, 0.2966,
0.1640

 22.4710, 0.2858,
0.1350

 34.6172, 0.3000,
0.1823

 22.3864, 0.2855,
0.1346

 41.1501, 0.3031,
0.2041

 49.3730, 0.3058,
0.2285

 59.3997, 0.3081,
0.2542

71.3341, 0.3101,
0.2803

85.2722, 0.3116,
0.3061

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.



26.0971, 0.1631, 0.1176



26.0971, 0.2930, 0.1499



26.0971, 0.4815, 0.2123

Triad

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



26.0971, 0.2930, 0.1499



26.0971, 0.5162, 0.4838



26.0971, 0.0796, 0.2562

Complementary

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



26.0971, 0.2930, 0.1499



73.5230, 0.3090, 0.5710

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.



26.0971, 0.1338, 0.4817



26.0971, 0.2930, 0.1499



26.0971, 0.3810, 0.6176

Square

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



26.0971, 0.2930, 0.1499



26.0971, 0.6146, 0.3721



26.0971, 0.2450, 0.6672



26.0971, 0.0727, 0.1507

Rectangle

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



26.0971, 0.2930, 0.1499



26.0971, 0.5877, 0.2631



26.0971, 0.2450, 0.6672



26.0971, 0.0911, 0.3179

Sweetspot

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



26.0957, 0.2930, 0.1499



65.4024, 0.3092, 0.2679



14.2019, 0.1702, 0.1068



13.1119, 0.3085, 0.2586



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.



26.0957, 0.2930, 0.1499



22.9444, 0.2873, 0.1369



27.2745, 0.4046, 0.2155



18.1653, 0.3116, 0.3054



11.7466, 0.2861, 0.1350



1.1773, 0.2903, 0.1373

Inverse Universe

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



24.3950, 0.5601, 0.3106



21.7411, 0.6138, 0.3187



73.7225, 0.2805, 0.5063



18.0280, 0.3272, 0.3257



11.1856, 0.6221, 0.3201



1.1010, 0.5962, 0.3058

Previews

White Background



This preview shows how the Yxy color 26.0971, 0.2930, 0.1499 looks on a white background.

Color Contrast Check

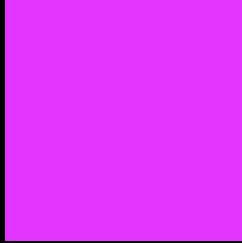
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.0971, 0.2930, 0.1499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

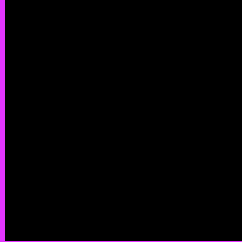
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.0971, 0.2930, 0.1499

Background



This preview shows how black text looks on a background with the Yxy color 26.0971, 0.2930, 0.1499.



This preview shows how white text looks on a background with the Yxy color 26.0971, 0.2930, 0.1499.

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

26.0971, 0.2930, 0.1499

Protanopia

26.4480, 0.1941, 0.1711

Deuteranopia

26.3613, 0.1941, 0.1876



Tritanopia

25.7769, 0.4333, 0.3194

Trichromacy



Original Color

26.0971, 0.2930, 0.1499



Protanomaly

22.4336, 0.2147, 0.1472



Deuteranomaly

21.6560, 0.2120, 0.1531



Tritanomaly

24.5337, 0.3786, 0.2390

Monochromacy



Original Color

26.0971, 0.2930, 0.1499



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2559, 0.3055, 0.2242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.0971, 0.2930, 0.1499 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(227, 53, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 53, 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(227, 53, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 53, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.0971, 0.2930, 0.1499 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(227, 53, 255) }
```

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

```
.border{ border-color:rgb(227, 53, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 53, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 53, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 53, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 53,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.0971, 0.2930, 0.1499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 53, 255) }
```

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

```
.background{ background-color: rgb(227, 53,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor