

Converting Colors

$Y_{xy}(24.8415, 0.2864, 0.1457)$

Have a look what the booklet for
Yxy(24.8415, 0.2864, 0.1457)
contains.

Yxy(24.8033, 0.2861, 0.1456)	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(24.8033, 0.2861, 0.1456)

Conversions

Conversions Part 1

Format	Color
Hex	DC33FF
RGB	220, 51, 255
RGB Percent	86%, 20%, 100%
CMY	0.1374, 0.7996, 0.0001
CMYK	0.14, 0.80, 0.00, 0.00
HSL	290°, 100%, 60%
HSV	290°, 80%, 100%
XYZ	48.7378, 24.8033, 96.8112
YIQ	124.7870, 35.2400, 99.2720

Conversions

Conversions Part 2

Format	Color
R _{YB}	220, 51, 255
Decimal	14431231
CIE _{Lab}	56.88, 86.05, -66.66
CIE _{LCh}	57, 108.847, 322.238
Yxy	24.8033, 0.2861, 0.1456
Android (android.graphics.Color)	4292621311 (0xFFDC33FF)
YUV	124.7870, 64.1950, 83.5018
Hunter-Lab	49.8029, 87.5274, -80.3910

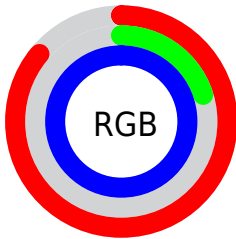
Details

The Yxy color **24.8033, 0.2861, 0.1456** is a light color, and the websafe version is hex **CC33FF**.

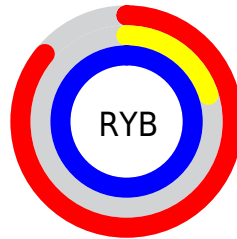
The color can be described as light washed magenta. A complement of this color would be **73.7323, 0.3112, 0.5707**, and the grayscale version is **20.2190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **11.5048, 0.2736, 0.1281** is the 20% darker color. If you saturate the color by 10%, you get **22.4753, 0.2815, 0.1358**, and if you desaturate by 10%, it is **28.3714, 0.2907, 0.1601**.

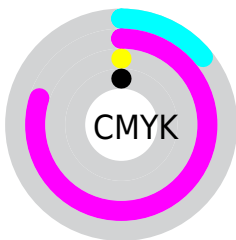
Distribution



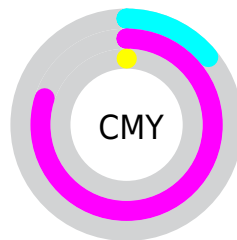
- Red (86%)
- Green (20%)
- Blue (100%)



- Red (86%)
- Yellow (20%)
- Blue (100%)



- Cyan (14%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8033, 0.2861, 0.1456 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 24.8033, 0.2861, 0.1456 by changing the saturation by 10% instead.


 24.8033, 0.2861,
0.1456


 24.8033, 0.2861,
0.1456


276.8569, 0.3051,
0.2269


 15.9306, 0.2802,
0.1289


 51.3379, 0.2940,
0.1725

 9.4750, 0.2720,
0.1095


 69.7686, 0.2967,
0.1834


 5.0523, 0.2606,
0.0871


 92.1541, 0.2989,
0.1929

 2.2780, 0.2441,
0.0619

 118.8788, 0.3006,
0.2013

 0.7620, 0.2196,
0.0349

 150.3270, 0.3020,
0.2088

 0.0000, 0.1843,
0.0000

186.8831, 0.3032,

 0.0000, 0.1259,

0.2155

0.0000

228.9317, 0.3042,
0.2215

■ 0.0000, 0.0000,
0.0000

■ 24.8033, 0.2861,
0.1456

■ 24.8033, 0.2861,
0.1456

■ 22.4753, 0.2815,
0.1358

■ 28.3714, 0.2907,
0.1601

■ 21.0999, 0.2770,
0.1300

■ 33.3511, 0.2951,
0.1788


■ 21.0955, 0.2770,
0.1299

■ 39.8901, 0.2991,
0.2011

■ 48.1163, 0.3028,
0.2258

■ 58.1445, 0.3060,
0.2518

 70.0792, 0.3087,
0.2783

 84.0170, 0.3109,
0.3042

99.9986, 0.3127,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



24.8033, 0.1573, 0.1144



24.8033, 0.2861, 0.1456



24.8033, 0.4779, 0.2074

Triad

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



24.8033, 0.2861, 0.1456



24.8033, 0.5216, 0.4784



24.8033, 0.0774, 0.2599

Complementary

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



24.8033, 0.2861, 0.1456



73.7323, 0.3112, 0.5707

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.



24.8033, 0.1333, 0.4953



24.8033, 0.2861, 0.1456



24.8033, 0.3840, 0.6160

Square

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



24.8033, 0.2861, 0.1456



24.8033, 0.6208, 0.3667



24.8033, 0.2464, 0.6773



24.8033, 0.0697, 0.1499

Rectangle

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



24.8033, 0.2861, 0.1456



24.8033, 0.5888, 0.2582



24.8033, 0.2464, 0.6773



24.8033, 0.0893, 0.3246

Sweetspot

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



24.8043, 0.2861, 0.1456



65.0352, 0.3077, 0.2676



14.9821, 0.1710, 0.1116



13.0223, 0.3067, 0.2582



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.



24.8043, 0.2861, 0.1456



21.5807, 0.2788, 0.1320



27.3683, 0.3962, 0.2095



18.1333, 0.3110, 0.3054



11.0825, 0.2777, 0.1303



1.1188, 0.2829, 0.1332

Inverse Universe

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



24.3060, 0.5540, 0.3053



21.7316, 0.6086, 0.3151



73.4679, 0.2831, 0.5166



18.0380, 0.3267, 0.3249



11.2178, 0.6150, 0.3162



1.1057, 0.5867, 0.3006

Previews

White Background



This preview shows how the Yxy color 24.8033, 0.2861, 0.1456 looks on a white background.

Color Contrast Check

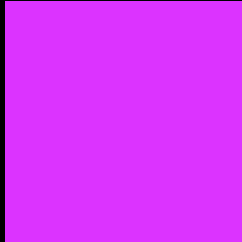
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8033, 0.2861, 0.1456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

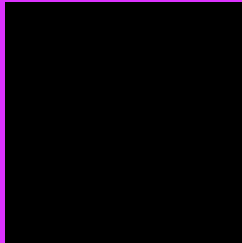
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8033, 0.2861, 0.1456

Background



This preview shows how black text looks on a background with the Yxy color 24.8033, 0.2861, 0.1456.



This preview shows how white text looks on a background with the Yxy color 24.8033, 0.2861, 0.1456.

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

24.8033, 0.2861, 0.1456

Protanopia

25.2603, 0.1899, 0.1661

Deuteranopia

25.3297, 0.1889, 0.1833



Tritanopia

24.5426, 0.4272, 0.3190

Trichromacy



Original Color

24.8033, 0.2861, 0.1456



Protanomaly

21.2056, 0.2088, 0.1419



Deuteranomaly

20.2950, 0.2027, 0.1472



Tritanomaly

23.1617, 0.3707, 0.2341

Monochromacy



Original Color

24.8033, 0.2861, 0.1456



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.1875, 0.3030, 0.2209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8033, 0.2861, 0.1456 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(220, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.8033, 0.2861, 0.1456 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(220, 51, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8033, 0.2861, 0.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 51, 255) }
```

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

```
.background{ background-color: rgb(220, 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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