

Converting Colors

$Yxy(24.5144, 0.2987, 0.1419)$

Have a look what the booklet for
Yxy(24.5144, 0.2987, 0.1419)
contains.

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Color

Yxy(24.5436, 0.2989, 0.1420)

Conversions

Conversions Part 1

Format	Color
Hex	E900FF
RGB	233, 0, 255
RGB Percent	91%, 0%, 100%
CMY	0.0862, 1.0000, 0.0000
CMYK	0.09, 1.00, 0.00, 0.00
HSL	295°, 100%, 50%
HSV	295°, 100%, 100%
XYZ	51.6625, 24.5436, 96.6361
YIQ	98.7370, 57.0130, 128.7010

Conversions

Conversions Part 2

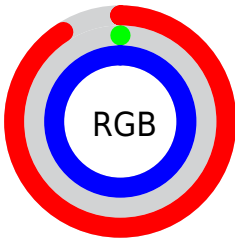
Format	Color
R_{YB}	233, 0, 255
Decimal	15270143
CIE _{Lab}	56.63, 95.00, -66.98
CIE _{LCh}	57, 116.239, 324.814
Yxy	24.5436, 0.2989, 0.1420
Android (android.graphics.Color)	4293460223 (0xFFE900FF)
YUV	98.7370, 77.0377, 117.7487
Hunter-Lab	49.5415, 99.4446, -80.9726

Details

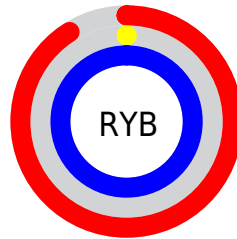
The Yxy color **24.5436, 0.2989, 0.1420** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.6903, 0.3015, 0.5988**, and the grayscale version is **12.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.8019, 0.2889, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **24.5483, 0.2989, 0.1420**, and if you desaturate by 10%, it is **25.6373, 0.3011, 0.1464**.

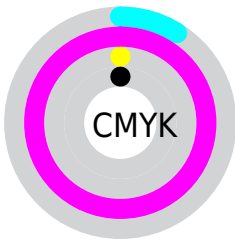
Distribution



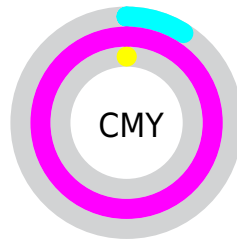
- Red (91%)
- Green (0%)
- Blue (100%)



- Red (91%)
- Yellow (0%)
- Blue (100%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5436, 0.2989, 0.1420 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 24.5436, 0.2989, 0.1420 by changing the saturation by 10% instead.


 24.5436, 0.2989,
0.1420


 24.5436, 0.2989,
0.1420


275.5573, 0.3119,
0.2241


 15.7374, 0.2943,
0.1253


 50.9158, 0.3048,
0.1690


 9.3385, 0.2878,
0.1060


 69.2506, 0.3066,
0.1800

 4.9626, 0.2784,
0.0839


 91.5304, 0.3081,
0.1896

 2.2253, 0.2643,
0.0591

 118.1395, 0.3092,
0.1981

 0.7338, 0.2426,
0.0328

 149.4623, 0.3101,
0.2057

 0.0000, 0.2105,
0.0000

185.8833, 0.3108,


 0.0000, 0.1551,

0.2125

0.0000

227.7869, 0.3114,
0.2186


 0.0000, 0.0000,
0.0000


 24.5436, 0.2989,
0.1420


 24.5436, 0.2989,
0.1420


 24.5483, 0.2989,
0.1420

 25.6373, 0.3011,
0.1464

 27.6649, 0.3033,
0.1545

 30.9168, 0.3053,
0.1671

 35.5675, 0.3071,
0.1840

 41.7638, 0.3087,
0.2046

■ 49.6335, 0.3100,
0.2279

■ 59.2913, 0.3111,
0.2529

■ 70.8418, 0.3119,
0.2787

■ 84.3814, 0.3124,
0.3042

Harmonies

Analogous

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



24.5436, 0.1582, 0.1078



24.5436, 0.2989, 0.1420



24.5436, 0.5058, 0.2071

Triad

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



24.5436, 0.2989, 0.1420



24.5436, 0.5121, 0.4879



24.5436, 0.0660, 0.2382

Complementary

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



24.5436, 0.2989, 0.1420



71.6903, 0.3015, 0.5988

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.



24.5436, 0.1147, 0.4819



24.5436, 0.2989, 0.1420



24.5436, 0.3638, 0.6362

Square

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



24.5436, 0.2989, 0.1420



24.5436, 0.6279, 0.3693



24.5436, 0.2245, 0.6989



24.5436, 0.0625, 0.1354

Rectangle

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



24.5436, 0.2989, 0.1420



24.5436, 0.6166, 0.2585



24.5436, 0.2245, 0.6989



24.5436, 0.0756, 0.3018

Sweetspot

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



24.5483, 0.2989, 0.1420



59.2913, 0.3111, 0.2529



7.9368, 0.1515, 0.0653



11.7711, 0.3107, 0.2422



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.



24.5483, 0.2989, 0.1420



23.5599, 0.4573, 0.2293



18.2161, 0.3124, 0.3055



12.8601, 0.2993, 0.1422



1.2746, 0.3019, 0.1437

Inverse Universe

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



21.3178, 0.6329, 0.3260



72.4793, 0.2823, 0.5361



18.0125, 0.3281, 0.3270



11.1477, 0.6308, 0.3249



1.0937, 0.6118, 0.3144

Previews

White Background



This preview shows how the Yxy color 24.5436, 0.2989, 0.1420 looks on a white background.

Color Contrast Check

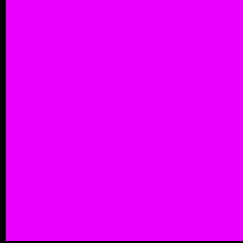
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5436, 0.2989, 0.1420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

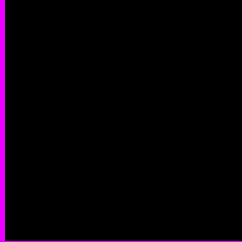
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5436, 0.2989, 0.1420

Background



This preview shows how black text looks on a background with the Yxy color 24.5436, 0.2989, 0.1420.



This preview shows how white text looks on a background with the Yxy color 24.5436, 0.2989, 0.1420.

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

24.5436, 0.2989, 0.1420

Protanopia

25.2971, 0.1903, 0.1662

Deuteranopia

25.4346, 0.1909, 0.1847



Tritanopia

24.6230, 0.4596, 0.3212

Trichromacy



Original Color

24.5436, 0.2989, 0.1420



Protanomaly

18.3841, 0.2089, 0.1265



Deuteranomaly

17.3539, 0.2054, 0.1305



Tritanomaly

21.7696, 0.3997, 0.2266

Monochromacy



Original Color

24.5436, 0.2989, 0.1420



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.2512, 0.3075, 0.1885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5436, 0.2989, 0.1420 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(233, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 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(233, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.5436, 0.2989, 0.1420 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(233, 0, 255) }
```

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

```
.border{ border-color:rgb(233, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 24.5436, 0.2989, 0.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 255) }
```

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

```
.background{ background-color: rgb(233, 0,  
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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