

Converting Colors

Yxy(23.9785, 0.2955, 0.1401)

Have a look what the booklet for
Yxy(23.9785, 0.2955, 0.1401)
contains.

Yxy(24.0430, 0.2959, 0.1404)	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(24.0430, 0.2959, 0.1404)

Conversions

Conversions Part 1

Format	Color
Hex	E600FF
RGB	230, 0, 255
RGB Percent	90%, 0%, 100%
CMY	0.0981, 0.9987, 0.0002
CMYK	0.10, 1.00, 0.00, 0.00
HSL	294°, 100%, 50%
HSV	294°, 100%, 100%
XYZ	50.6718, 24.0430, 96.5316
YIQ	97.8400, 55.2250, 128.0650

Conversions

Conversions Part 2

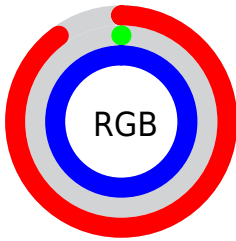
Format	Color
R_{YB}	230, 0, 255
Decimal	15073535
CIE _{Lab}	56.13, 94.52, -67.77
CIE _{LCh}	56, 116.303, 324.360
Yxy	24.0430, 0.2959, 0.1404
Android (android.graphics.Color)	4293263615 (0xFFE600FF)
YUV	97.8400, 77.4799, 115.9043
Hunter-Lab	49.0337, 98.6546, -82.3995

Details

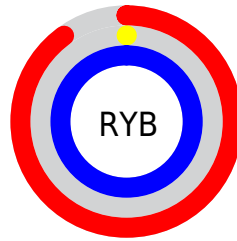
The Yxy color **24.0430, 0.2959, 0.1404** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.6965, 0.3018, 0.5985**, and the grayscale version is **12.0143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.4662, 0.2851, 0.1344** is the 20% darker color. If you saturate the color by 10%, you get **24.0316, 0.2959, 0.1404**, and if you desaturate by 10%, it is **25.1844, 0.2984, 0.1450**.

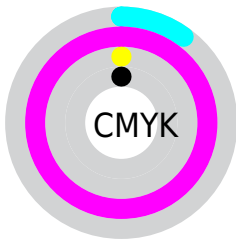
Distribution



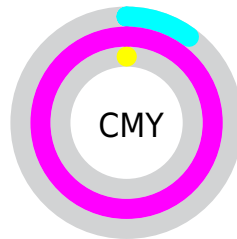
- Red (90%)
- Green (0%)
- Blue (100%)



- Red (90%)
- Yellow (0%)
- Blue (100%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0430, 0.2959, 0.1404 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 24.0430, 0.2959, 0.1404 by changing the saturation by 10% instead.


 24.0430, 0.2959,
0.1404


 24.0430, 0.2959,
0.1404


273.0378, 0.3105,
0.2233


 15.3655, 0.2909,
0.1236


 50.1004, 0.3023,
0.1676

 9.0763, 0.2839,
0.1042


 68.2490, 0.3045,
0.1787

 4.7910, 0.2738,
0.0819


 90.3236, 0.3061,
0.1885

 2.1252, 0.2588,
0.0572

 116.7083, 0.3074,
0.1971

 0.6787, 0.2361,
0.0308

 147.7877, 0.3084,
0.2047

 0.0000, 0.2022,
0.0000

183.9462, 0.3093,

 0.0000, 0.1459,

0.2116

0.0000

225.5681, 0.3099,
0.2177

■ 0.0000, 0.0000,
0.0000

■ 24.0430, 0.2959,
0.1404

■ 24.0430, 0.2959,
0.1404

■ 24.0316, 0.2959,
0.1404

■ 25.1844, 0.2984,
0.1450

■ 27.2713, 0.3009,
0.1534

■ 30.5858, 0.3033,
0.1663

■ 35.3019, 0.3055,
0.1835

■ 41.5658, 0.3074,
0.2044

■ 49.5052, 0.3091,
0.2279

■ 59.2346, 0.3104,
0.2531

■ 70.8584, 0.3114,
0.2789

■ 84.4729, 0.3122,
0.3045

Harmonies

Analogous

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



24.0430, 0.1559, 0.1066



24.0430, 0.2959, 0.1404



24.0430, 0.5040, 0.2052

Triad

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



24.0430, 0.2959, 0.1404



24.0430, 0.5144, 0.4856



24.0430, 0.0653, 0.2398

Complementary

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



24.0430, 0.2959, 0.1404



71.6965, 0.3018, 0.5985

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.



24.0430, 0.1147, 0.4877



24.0430, 0.2959, 0.1404



24.0430, 0.3650, 0.6350

Square

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



24.0430, 0.2959, 0.1404



24.0430, 0.6305, 0.3671



24.0430, 0.2252, 0.7027



24.0430, 0.0615, 0.1353

Rectangle

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



24.0430, 0.2959, 0.1404



24.0430, 0.6168, 0.2566



24.0430, 0.2252, 0.7027



24.0430, 0.0751, 0.3047

Sweetspot

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



24.0440, 0.2959, 0.1404



59.1254, 0.3104, 0.2528



7.9482, 0.1515, 0.0654



11.7308, 0.3098, 0.2420



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.



24.0440, 0.2959, 0.1404



24.0432, 0.2959, 0.1404



23.5600, 0.4571, 0.2292



18.2046, 0.3122, 0.3055



12.6000, 0.2963, 0.1406



1.2520, 0.2993, 0.1422

Inverse Universe

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



21.3283, 0.6311, 0.3251



21.3302, 0.6313, 0.3252



72.4503, 0.2822, 0.5359



18.0160, 0.3279, 0.3267



11.1550, 0.6291, 0.3239



1.0953, 0.6082, 0.3124

Previews

White Background



This preview shows how the Yxy color 24.0430, 0.2959, 0.1404 looks on a white background.

Color Contrast Check

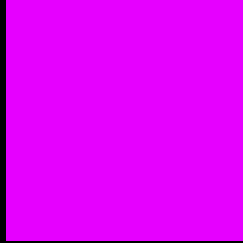
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0430, 0.2959, 0.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

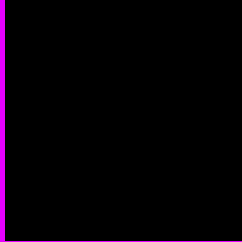
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0430, 0.2959, 0.1404

Background



This preview shows how black text looks on a background with the Yxy color 24.0430, 0.2959, 0.1404.



This preview shows how white text looks on a background with the Yxy color 24.0430, 0.2959, 0.1404.

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

24.0430, 0.2959, 0.1404

Protanopia

24.8808, 0.1886, 0.1644

Deuteranopia

24.9605, 0.1886, 0.1827



Tritanopia

24.1729, 0.4563, 0.3210

Trichromacy



Original Color

24.0430, 0.2959, 0.1404



Protanomaly

17.9963, 0.2066, 0.1247



Deuteranomaly

16.8870, 0.2007, 0.1284



Tritanomaly

21.3001, 0.3961, 0.2251

Monochromacy



Original Color

24.0430, 0.2959, 0.1404



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.9228, 0.3060, 0.1872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0430, 0.2959, 0.1404 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(230, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.0430, 0.2959, 0.1404 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(230, 0, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0430, 0.2959, 0.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 255) }
```

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

```
.background{ background-color: rgb(230, 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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