

Converting Colors

Yxy(30.0215, 0.2999, 0.1648)

Have a look what the booklet for
Yxy(30.0215, 0.2999, 0.1648)
contains.

Yxy(30.0202, 0.2999, 0.1648)	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(30.0202, 0.2999, 0.1648)

Conversions

Conversions Part 1

Format	Color
Hex	EA4DFF
RGB	234, 77, 255
RGB Percent	92%, 30%, 100%
CMY	0.0824, 0.6979, 0.0001
CMYK	0.08, 0.70, 0.00, 0.00
HSL	293°, 100%, 65%
HSV	293°, 70%, 100%
XYZ	54.6302, 30.0202, 97.5110
YIQ	144.2350, 36.4340, 88.6420

Conversions

Conversions Part 2

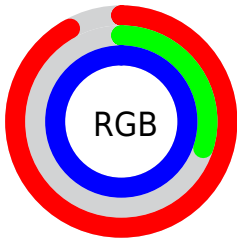
Format	Color
R_{YB}	234, 77, 255
Decimal	15355391
CIE _{Lab}	61.67, 80.93, -58.86
CIE _{LCh}	62, 100.072, 323.970
Yxy	30.0202, 0.2999, 0.1648
Android (android.graphics.Color)	4293545471 (0xFFEA4DFF)
YUV	144.2350, 54.6071, 78.7239
Hunter-Lab	54.7907, 82.0934, -67.1649

Details

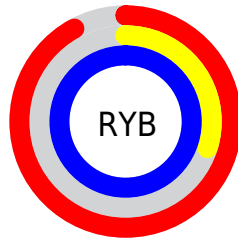
The Yxy color **30.0202, 0.2999, 0.1648** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **74.6459, 0.3098, 0.5489**, and the grayscale version is **27.7595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **13.0299, 0.2915, 0.1380** is the 20% darker color. If you saturate the color by 10%, you get **26.6189, 0.2969, 0.1514**, and if you desaturate by 10%, it is **34.8302, 0.3027, 0.1825**.

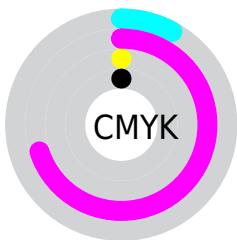
Distribution



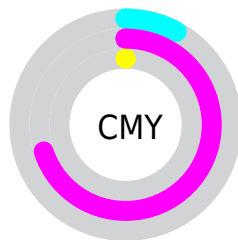
- Red (92%)
- Green (30%)
- Blue (100%)



- Red (92%)
- Yellow (30%)
- Blue (100%)



- Cyan (8%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0202, 0.2999, 0.1648 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 30.0202, 0.2999, 0.1648 by changing the saturation by 10% instead.


 30.0202, 0.2999,
0.1648


 30.0202, 0.2999,
0.1648


301.9986, 0.3108,
0.2378


 19.8539, 0.2962,
0.1495


 59.6941, 0.3047,
0.1891

 12.2889, 0.2910,
0.1315


 79.9706, 0.3062,
0.1989

 6.9408, 0.2836,
0.1102


 104.3858, 0.3074,
0.2075

 3.4251, 0.2724,
0.0852

 133.3243, 0.3084,
0.2150

 1.3575, 0.2549,
0.0567

167.1705, 0.3092,
0.2217

 0.1851, 0.2297,
0.0144

206.3086, 0.3098,

 0.0000, 0.1809,

0.2276

0.0000

251.1232, 0.3103,
0.2330

0.0000, 0.0205,
0.0000

0.0000, 0.0000,
0.0000

30.0202, 0.2999,
0.1648

30.0202, 0.2999,
0.1648

26.6189, 0.2969,
0.1514

34.8302, 0.3027,
0.1825

24.4484, 0.2939,
0.1425

41.1910, 0.3052,
0.2037

23.2320, 0.2908,
0.1376

49.2316, 0.3074,
0.2276

23.2103, 0.2907,
0.1375

59.0665, 0.3092,
0.2530

70.8000, 0.3107,
0.2790

84.5284, 0.3119,
0.3047

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



30.0202, 0.1780, 0.1328



30.0202, 0.2999, 0.1648



30.0202, 0.4672, 0.2252

Triad

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



30.0202, 0.2999, 0.1648



30.0202, 0.5066, 0.4857



30.0202, 0.0966, 0.2648

Complementary

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



30.0202, 0.2999, 0.1648



74.6459, 0.3098, 0.5489

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.



30.0202, 0.1512, 0.4583



30.0202, 0.2999, 0.1648



30.0202, 0.3838, 0.5955

Square

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



30.0202, 0.2999, 0.1648



30.0202, 0.5914, 0.3828



30.0202, 0.2580, 0.6226



30.0202, 0.0883, 0.1659

Rectangle

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



30.0202, 0.2999, 0.1648



30.0202, 0.5606, 0.2747



30.0202, 0.2580, 0.6226



30.0202, 0.1086, 0.3194

Sweetspot

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



30.0215, 0.2999, 0.1648



69.2846, 0.3106, 0.2759



18.0587, 0.1832, 0.1285



14.1085, 0.3102, 0.2687



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.



30.0215, 0.2999, 0.1648



25.5695, 0.2957, 0.1471



30.2757, 0.3936, 0.2242



18.1852, 0.3119, 0.3054



12.1725, 0.2913, 0.1378



1.2146, 0.2948, 0.1398

Inverse Universe

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



27.4519, 0.5239, 0.3120



23.2263, 0.5842, 0.3155



75.0519, 0.2791, 0.4791



18.0219, 0.3276, 0.3262



11.1690, 0.6259, 0.3222



1.0981, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 30.0202, 0.2999, 0.1648 looks on a white background.

Color Contrast Check

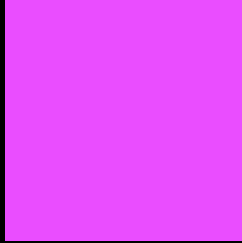
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0202, 0.2999, 0.1648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

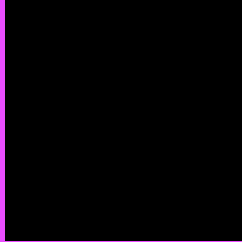
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0202, 0.2999, 0.1648

Background



This preview shows how black text looks on a background with the Yxy color 30.0202, 0.2999, 0.1648.



This preview shows how white text looks on a background with the Yxy color 30.0202, 0.2999, 0.1648.

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

30.0202, 0.2999, 0.1648

Protanopia

30.4304, 0.2058, 0.1871

Deuteranopia

30.5079, 0.2080, 0.2021



Tritanopia

29.6576, 0.4231, 0.3184

Trichromacy



Original Color

30.0202, 0.2999, 0.1648



Protanomaly

27.1906, 0.2287, 0.1676



Deuteranomaly

26.7210, 0.2297, 0.1744



Tritanomaly

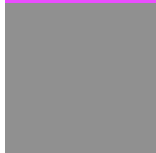
28.8039, 0.3753, 0.2495

Monochromacy



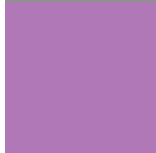
Original Color

30.0202, 0.2999, 0.1648



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2407, 0.3091, 0.2421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0202, 0.2999, 0.1648 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(234, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 77, 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(234, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 77, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.0202, 0.2999, 0.1648 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(234, 77, 255) }
```

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

```
.border{ border-color:rgb(234, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 77,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0202, 0.2999, 0.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 77, 255) }
```

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

```
.background{ background-color: rgb(234, 77,  
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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