

Converting Colors

Yxy(39.9898, 0.2997, 0.2012)

Have a look what the booklet for
Yxy(39.9898, 0.2997, 0.2012)
contains.

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Color

Yxy(40.1508, 0.2999, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	EA80FF
RGB	234, 128, 255
RGB Percent	92%, 50%, 100%
CMY	0.0824, 0.4980, 0.0000
CMYK	0.08, 0.50, 0.00, 0.00
HSL	290°, 100%, 75%
HSV	290°, 50%, 100%
XYZ	59.6987, 40.1508, 99.2125
YIQ	174.1720, 22.4090, 61.9690

Conversions

Conversions Part 2

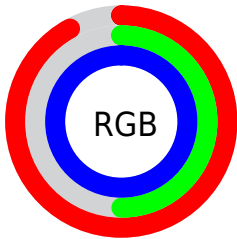
Format	Color
R_{YB}	234, 128, 255
Decimal	15368447
CIE _{Lab}	69.58, 59.33, -46.35
CIE _{LCh}	70, 75.290, 322.005
Yxy	40.1508, 0.2999, 0.2017
Android (android.graphics.Color)	4293558527 (0xFFEA80FF)
YUV	174.1720, 39.8482, 52.4692
Hunter-Lab	63.3647, 57.2847, -48.4774

Details

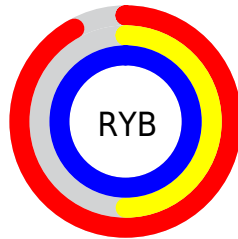
The Yxy color **40.1508, 0.2999, 0.2017** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.4702, 0.3164, 0.4830**, and the grayscale version is **42.2049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.0724, 0.2935, 0.1740** is the 20% darker color. If you saturate the color by 10%, you get **33.6091, 0.2960, 0.1795**, and if you desaturate by 10%, it is **48.3838, 0.3034, 0.2263**.

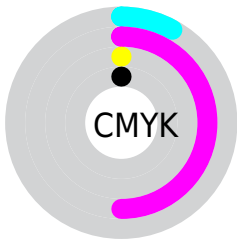
Distribution



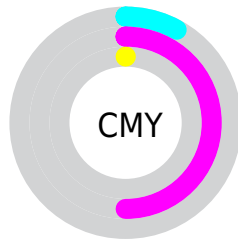
- Red (92%)
- Green (50%)
- Blue (100%)



- Red (92%)
- Yellow (50%)
- Blue (100%)



- Cyan (8%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1508, 0.2999, 0.2017 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 40.1508, 0.2999, 0.2017 by changing the saturation by 10% instead.

 40.1508, 0.2999,
0.2017


 40.1508, 0.2999,
0.2017


346.7588, 0.3087,
0.2590


 27.6561, 0.2972,
0.1893


 75.3931, 0.3035,
0.2211

 18.0666, 0.2935,
0.1744


 98.9095, 0.3048,
0.2288

 10.9978, 0.2883,
0.1562


 126.8686, 0.3058,
0.2355

 6.0654, 0.2807,
0.1338

159.6549, 0.3066,
0.2413

 2.8849, 0.2690,
0.1061

197.6526, 0.3072,
0.2465

 1.0719, 0.2497,
0.0722

241.2462, 0.3078,

 0.0000, 0.2237,

0.2511

0.0000

290.8202, 0.3083,
0.2553

0.0000, 0.1285,
0.0000

0.0000, 0.0000,
0.0000

40.1508, 0.2999,
0.2017

40.1508, 0.2999,
0.2017

33.6091, 0.2960,
0.1795

48.3838, 0.3034,
0.2263

28.6263, 0.2918,
0.1609

58.4180, 0.3064,
0.2523

25.0577, 0.2874,
0.1465

70.3593, 0.3090,
0.2787

22.7291, 0.2830,
0.1367

84.3042, 0.3111,
0.3046

■ 21.3623, 0.2787,
0.1309

100.0000, 0.3127,
0.3290

■ 21.3385, 0.2786,
0.1308

Harmonies

Analogous

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



40.1508, 0.2092, 0.1765



40.1508, 0.2999, 0.2017



40.1508, 0.4140, 0.2507

Triad

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



40.1508, 0.2999, 0.2017



40.1508, 0.4774, 0.4618



40.1508, 0.1513, 0.2988

Complementary

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



40.1508, 0.2999, 0.2017



79.4702, 0.3164, 0.4830

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.



40.1508, 0.2049, 0.4245



40.1508, 0.2999, 0.2017



40.1508, 0.3924, 0.5241

Square

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



40.1508, 0.2999, 0.2017



40.1508, 0.5238, 0.3863



40.1508, 0.2936, 0.5228



40.1508, 0.1370, 0.2157

Rectangle

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



40.1508, 0.2999, 0.2017



40.1508, 0.4800, 0.2925



40.1508, 0.2936, 0.5228



40.1508, 0.1646, 0.3377

Sweetspot

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



40.1524, 0.2999, 0.2017



76.7965, 0.3100, 0.2913



33.3607, 0.2217, 0.1961



15.8201, 0.3096, 0.2858



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.



40.1524, 0.2999, 0.2017



33.4944, 0.2959, 0.1791



41.4886, 0.3585, 0.2441



18.1393, 0.3111, 0.3054



11.2062, 0.2793, 0.1312



1.1297, 0.2843, 0.1340

Inverse Universe

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



38.8718, 0.4305, 0.3077



32.3032, 0.4705, 0.3049



79.0253, 0.2859, 0.4349



18.0361, 0.3268, 0.3251



11.2111, 0.6164, 0.3170



1.1047, 0.5885, 0.3016

Previews

White Background



This preview shows how the Yxy color 40.1508, 0.2999, 0.2017 looks on a white background.

Color Contrast Check

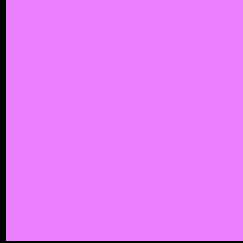
Large Text (above 18pt) WCAG AA × Fail

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 40.1508, 0.2999, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

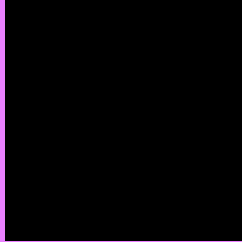
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1508, 0.2999, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 40.1508, 0.2999, 0.2017.



This preview shows how white text looks on a background with the Yxy color 40.1508, 0.2999, 0.2017.

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

40.1508, 0.2999, 0.2017

Protanopia

40.7142, 0.2325, 0.2217

Deuteranopia

40.5803, 0.2367, 0.2308



Tritanopia

40.1140, 0.3734, 0.3160

Trichromacy



Original Color

40.1508, 0.2999, 0.2017



Protanomaly

39.0011, 0.2527, 0.2102



Deuteranomaly

39.0120, 0.2559, 0.2158

Tritanomaly

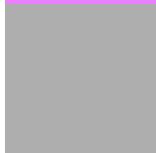
39.7992, 0.3452, 0.2686

Monochromacy



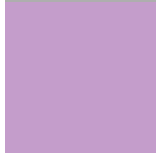
Original Color

40.1508, 0.2999, 0.2017



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.1615, 0.3089, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1508, 0.2999, 0.2017 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, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 128, 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, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1508, 0.2999, 0.2017 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, 128, 255) }
```

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

```
.border{ border-color:rgb(234, 128, 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, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1508, 0.2999, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 128, 255) }
```

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

```
.background{ background-color: rgb(234,  
128, 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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