

Converting Colors

$Y_{xy}(34.3629, 0.2979, 0.1819)$

Have a look what the booklet for
Yxy(34.3629, 0.2979, 0.1819)
contains.

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Color

Yxy(34.4790, 0.2981, 0.1823)

Conversions

Conversions Part 1

Format	Color
Hex	E869FF
RGB	232, 105, 255
RGB Percent	91%, 41%, 100%
CMY	0.0901, 0.5882, 0.0001
CMYK	0.09, 0.59, 0.00, 0.00
HSL	291°, 100%, 71%
HSV	291°, 59%, 100%
XYZ	56.3806, 34.4790, 98.2737
YIQ	160.0730, 27.5420, 73.5740

Conversions

Conversions Part 2

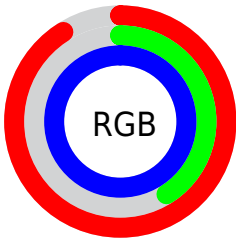
Format	Color
R_{YB}	232, 105, 255
Decimal	15231487
CIE _{Lab}	65.34, 69.51, -53.04
CIE _{LCh}	65, 87.431, 322.654
Yxy	34.4790, 0.2981, 0.1823
Android (android.graphics.Color)	4293421567 (0xFFE869FF)
YUV	160.0730, 46.7990, 63.0800
Hunter-Lab	58.7188, 68.6342, -58.1264

Details

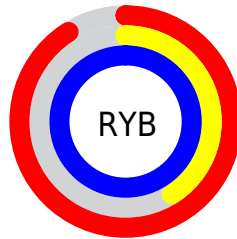
The Yxy color **34.4790, 0.2981, 0.1823** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.1137, 0.3145, 0.5138**, and the grayscale version is **34.9612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **14.8382, 0.2894, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **29.3957, 0.2943, 0.1635**, and if you desaturate by 10%, it is **41.1363, 0.3016, 0.2045**.

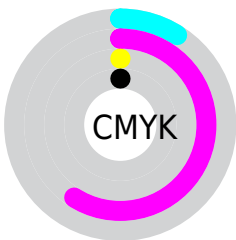
Distribution



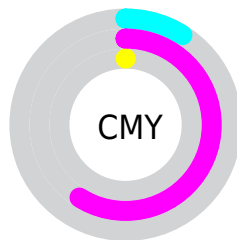
- Red (91%)
- Green (41%)
- Blue (100%)



- Red (91%)
- Yellow (41%)
- Blue (100%)



- Cyan (9%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4790, 0.2981, 0.1823 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 34.4790, 0.2981, 0.1823 by changing the saturation by 10% instead.


 34.4790, 0.2981,
0.1823


 34.4790, 0.2981,
0.1823


322.2627, 0.3088,
0.2480


 23.2618, 0.2947,
0.1682


 66.6779, 0.3026,
0.2044


 14.7870, 0.2901,
0.1515


 88.4283, 0.3041,
0.2132

 8.6700, 0.2834,
0.1314


 114.4587, 0.3053,
0.2209

 4.5266, 0.2736,
0.1072

 145.1533, 0.3063,
0.2277

 1.9723, 0.2585,
0.0783

180.8967, 0.3071,
0.2336

 0.5913, 0.2344,
0.0433

222.0731, 0.3077,

 0.0000, 0.1951,

0.2390

0.0000

269.0669, 0.3083,
0.2437

■ 0.0000, 0.0627,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.4790, 0.2981,
0.1823

■ 34.4790, 0.2981,
0.1823

■ 29.3957, 0.2943,
0.1635

■ 41.1363, 0.3016,
0.2045

■ 25.7378, 0.2903,
0.1489

■ 49.4893, 0.3047,
0.2291

■ 23.3362, 0.2862,
0.1389

■ 59.6529, 0.3074,
0.2551

■ 21.9435, 0.2822,
0.1331

■ 71.7306, 0.3096,
0.2814

■ 21.8079, 0.2817,
0.1326

■ 85.8182, 0.3114,
0.3071

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



34.4790, 0.1923, 0.1537



34.4790, 0.2981, 0.1823



34.4790, 0.4376, 0.2372

Triad

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



34.4790, 0.2981, 0.1823



34.4790, 0.4961, 0.4751



34.4790, 0.1236, 0.2849

Complementary

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



34.4790, 0.2981, 0.1823



77.1137, 0.3145, 0.5138

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.



34.4790, 0.1798, 0.4437



34.4790, 0.2981, 0.1823



34.4790, 0.3932, 0.5601

Square

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



34.4790, 0.2981, 0.1823



34.4790, 0.5600, 0.3861



34.4790, 0.2797, 0.5709



34.4790, 0.1112, 0.1914

Rectangle

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



34.4790, 0.2981, 0.1823



34.4790, 0.5178, 0.2835



34.4790, 0.2797, 0.5709



34.4790, 0.1368, 0.3322

Sweetspot

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



34.4805, 0.2981, 0.1823



72.8213, 0.3098, 0.2835



26.1869, 0.2042, 0.1679



14.7806, 0.3092, 0.2759



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.



34.4805, 0.2981, 0.1823



28.4869, 0.2934, 0.1599



35.7669, 0.3704, 0.2312



18.1512, 0.3113, 0.3054



11.4503, 0.2824, 0.1329



1.1513, 0.2870, 0.1355

Inverse Universe

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



32.9173, 0.4680, 0.3070



27.1037, 0.5208, 0.3064



76.8768, 0.2832, 0.4584



18.0324, 0.3270, 0.3254



11.1989, 0.6191, 0.3184



1.1030, 0.5920, 0.3035

Previews

White Background



This preview shows how the Yxy color 34.4790, 0.2981, 0.1823 looks on a white background.

Color Contrast Check

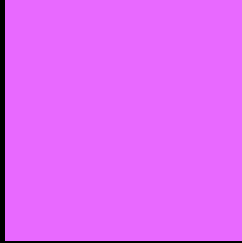
Large Text (above 18pt) WCAG AA × Fail

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 34.4790, 0.2981, 0.1823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

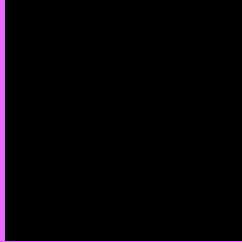
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4790, 0.2981, 0.1823

Background



This preview shows how black text looks on a background with the Yxy color 34.4790, 0.2981, 0.1823.



This preview shows how white text looks on a background with the Yxy color 34.4790, 0.2981, 0.1823.

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

34.4790, 0.2981, 0.1823

Protanopia

34.9189, 0.2185, 0.2032

Deuteranopia

35.0337, 0.2216, 0.2159



Tritanopia

34.1240, 0.3938, 0.3170

Trichromacy



Original Color

34.4790, 0.2981, 0.1823



Protanomaly

32.5849, 0.2401, 0.1886



Deuteranomaly

32.5739, 0.2424, 0.1953

Tritanomaly

33.4477, 0.3560, 0.2584

Monochromacy



Original Color

34.4790, 0.2981, 0.1823



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.1354, 0.3071, 0.2577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4790, 0.2981, 0.1823 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(232, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 105, 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(232, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 105, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.4790, 0.2981, 0.1823 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(232, 105, 255) }
```

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

```
.border{ border-color:rgb(232, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 105,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4790, 0.2981, 0.1823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 105, 255) }
```

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

```
.background{ background-color: rgb(232,  
105, 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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