

Converting Colors

$Y_{xy}(35.2942, 0.3158, 0.1999)$

Have a look what the booklet for
Yxy(35.2942, 0.3158, 0.1999)
contains.

Yxy(35.2167, 0.3159, 0.1995)	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(35.2167, 0.3159, 0.1995)

Conversions

Conversions Part 1

Format	Color
Hex	EC6EEF
RGB	236, 110, 239
RGB Percent	93%, 43%, 94%
CMY	0.0743, 0.5688, 0.0626
CMYK	0.01, 0.54, 0.00, 0.06
HSL	299°, 80%, 68%
HSV	299°, 54%, 94%
XYZ	55.7642, 35.2167, 85.5439
YIQ	162.3800, 33.6870, 66.8310

Conversions

Conversions Part 2

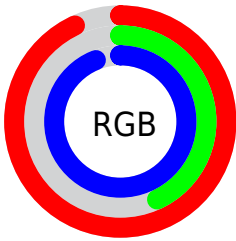
Format	Color
R _Y B	236, 110, 239
Decimal	15494895
CIE _{Lab}	65.92, 65.49, -43.31
CIE _{LCh}	66, 78.513, 326.521
Y _{xy}	35.2167, 0.3159, 0.1995
Android (android.graphics.Color)	4293684975 (0xFFEC6EEF)
Y _{UV}	162.3800, 37.7737, 64.5647
Hunter-Lab	59.3437, 63.8819, -43.9260

Details

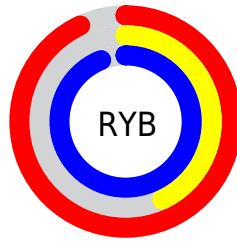
The Yxy color **35.2167, 0.3159, 0.1995** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **66.3830, 0.3061, 0.5018**, and the grayscale version is **36.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **15.1805, 0.3134, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **30.6455, 0.3161, 0.1816**, and if you desaturate by 10%, it is **41.1819, 0.3156, 0.2207**.

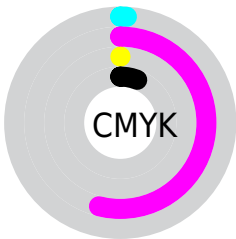
Distribution



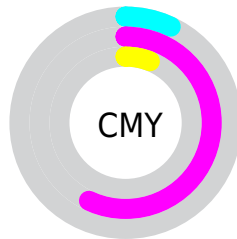
- Red (93%)
- Green (43%)
- Blue (94%)



- Red (93%)
- Yellow (43%)
- Blue (94%)



- Cyan (1%)
- Magenta (54%)
- Yellow (0%)
- Black (6%)





- Cyan (7%)
- Magenta (57%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2167, 0.3159, 0.1995 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 35.2167, 0.3159, 0.1995 by changing the saturation by 10% instead.

 35.2167, 0.3159,
0.1995


 35.2167, 0.3159,
0.1995


325.5238, 0.3171,
0.2588

 23.8298, 0.3149,
0.1864


 67.8213, 0.3169,
0.2197

 15.2075, 0.3133,
0.1706


 89.8079, 0.3171,
0.2277

 8.9651, 0.3106,
0.1513


 116.0965, 0.3172,
0.2346

 4.7184, 0.3059,
0.1273

147.0715, 0.3172,
0.2407

 2.0830, 0.2976,
0.0974

183.1174, 0.3172,
0.2460

 0.6551, 0.2822,
0.0594

224.6185, 0.3172,

 0.0000, 0.2550,

0.2507

0.0000

271.9591, 0.3171,
0.2550

0.0000, 0.0781,
0.0000

0.0000, 0.0000,
0.0000

35.2167, 0.3159,
0.1995

35.2167, 0.3159,
0.1995

30.6455, 0.3161,
0.1816

41.1819, 0.3156,
0.2207

27.3490, 0.3160,
0.1676


48.6383, 0.3151,
0.2442

25.1957, 0.3158,
0.1580


57.6799, 0.3145,
0.2691


24.0236, 0.3154,
0.1527

68.3916, 0.3138,
0.2944

 23.6442, 0.3151,
0.1509

 80.8524, 0.3130,
0.3193

 95.1360, 0.3123,
0.3432

 96.2642, 0.3125,
0.3448

 96.3609, 0.3129,
0.3448

 96.4579, 0.3132,
0.3448

Harmonies

Analogous

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



35.2167, 0.2133, 0.1690



35.2167, 0.3159, 0.1995



35.2167, 0.4405, 0.2540

Triad

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



35.2167, 0.3159, 0.1995



35.2167, 0.4745, 0.4795



35.2167, 0.1355, 0.2773

Complementary

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



35.2167, 0.3159, 0.1995



66.3830, 0.3061, 0.5018

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.



35.2167, 0.1842, 0.4115



35.2167, 0.3159, 0.1995



35.2167, 0.3790, 0.5456

Square

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



35.2167, 0.3159, 0.1995



35.2167, 0.5352, 0.3980



35.2167, 0.2737, 0.5329



35.2167, 0.1269, 0.1978

Rectangle

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



35.2167, 0.3159, 0.1995



35.2167, 0.5071, 0.2988



35.2167, 0.2737, 0.5329



35.2167, 0.1468, 0.3170

Sweetspot

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



35.2183, 0.3159, 0.1995



76.4963, 0.3139, 0.2892



21.6393, 0.2093, 0.1614



15.8082, 0.3141, 0.2839



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.



35.2183, 0.3159, 0.1995



34.9480, 0.3161, 0.1796



32.7453, 0.3842, 0.2552



16.0117, 0.3134, 0.3057



13.0708, 0.3152, 0.1510



1.0932, 0.3160, 0.1514

Inverse Universe

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



30.6896, 0.4695, 0.3263



29.2381, 0.5225, 0.3263



67.9734, 0.2761, 0.4210



15.7647, 0.3290, 0.3285



10.1503, 0.6376, 0.3286



0.8465, 0.6312, 0.3251

Previews

White Background



This preview shows how the Yxy color 35.2167, 0.3159, 0.1995 looks on a white background.

Color Contrast Check

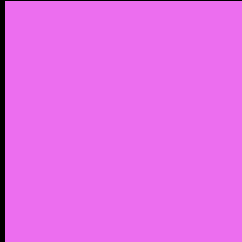
Large Text (above 18pt) WCAG AA × Fail

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 35.2167, 0.3159, 0.1995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

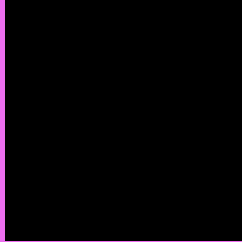
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2167, 0.3159, 0.1995

Background



This preview shows how black text looks on a background with the Yxy color 35.2167, 0.3159, 0.1995.



This preview shows how white text looks on a background with the Yxy color 35.2167, 0.3159, 0.1995.

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

35.2167, 0.3159, 0.1995

Protanopia

35.4715, 0.2204, 0.2050

Deuteranopia

35.4960, 0.2397, 0.2341



Tritanopia

34.9111, 0.4027, 0.3174

Trichromacy



Original Color

35.2167, 0.3159, 0.1995



Protanomaly

33.3823, 0.2463, 0.1977



Deuteranomaly

33.4790, 0.2621, 0.2150



Tritanomaly

34.4159, 0.3689, 0.2675

Monochromacy



Original Color

35.2167, 0.3159, 0.1995



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.1814, 0.3146, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2167, 0.3159, 0.1995 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(236, 110, 239)` looks like.

```
.text, #text, p{  
    color:rgb(236, 110, 239)  
}
```

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(236, 110, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 110, 239) }
```

Border

The CSS property to change the border of an element to Yxy 35.2167, 0.3159, 0.1995 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(236, 110, 239) }
```

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

```
.border{ border-color:rgb(236, 110, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 110, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 110, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 110, 239);  
box-shadow:4px 4px 4px 4px rgb(236, 110,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2167, 0.3159, 0.1995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 110, 239) }
```

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

```
.background{ background-color: rgb(236,  
110, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor