

Converting Colors

$Y_{xy}(52.5709, 0.2439, 0.1557)$

Have a look what the booklet for
Yxy(52.5709, 0.2439, 0.1557)
contains.

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Color

Yxy(44.5705, 0.3025, 0.2152)

Conversions

Conversions Part 1

Format	Color
Hex	ED8EFF
RGB	237, 142, 255
RGB Percent	93%, 56%, 100%
CMY	0.0705, 0.4432, 0.0001
CMYK	0.07, 0.44, 0.00, 0.00
HSL	290°, 100%, 78%
HSV	290°, 44%, 100%
XYZ	62.6514, 44.5705, 99.8901
YIQ	183.2870, 20.3470, 55.2830

Conversions

Conversions Part 2

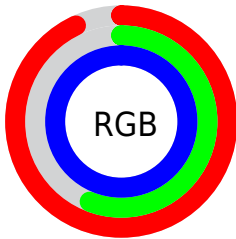
Format	Color
R _Y B	237, 142, 255
Decimal	15568639
CIE Lab	72.61, 53.21, -41.56
CIE LCh	73, 67.521, 322.008
Yxy	44.5705, 0.3025, 0.2152
Android (android.graphics.Color)	4293758719 (0xFFED8EFF)
YUV	183.2870, 35.3545, 47.1063
Hunter-Lab	66.7611, 50.6797, -41.9788

Details

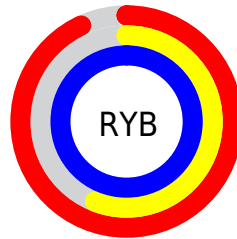
The Yxy color **44.5705, 0.3025, 0.2152** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.9275, 0.3161, 0.4642**, and the grayscale version is **47.3145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **20.6404, 0.2971, 0.1900** is the 20% darker color. If you saturate the color by 10%, you get **37.1439, 0.2990, 0.1917**, and if you desaturate by 10%, it is **53.7517, 0.3056, 0.2406**.

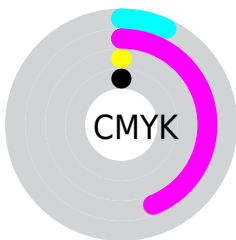
Distribution



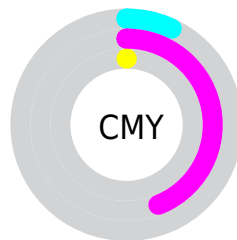
- Red (93%)
- Green (56%)
- Blue (100%)



- Red (93%)
- Yellow (56%)
- Blue (100%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5705, 0.3025, 0.2152 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 44.5705, 0.3025, 0.2152 by changing the saturation by 10% instead.


 44.5705, 0.3025,
0.2152


 44.5705, 0.3025,
0.2152


365.0313, 0.3095,
0.2664

 31.1193, 0.3004,
0.2040


 82.0755, 0.3053,
0.2326

 20.6897, 0.2975,
0.1905


 106.8981, 0.3063,
0.2395

 12.8974, 0.2934,
0.1740

136.2799, 0.3071,
0.2454

 7.3579, 0.2875,
0.1534

170.6053, 0.3078,
0.2507

 3.6869, 0.2783,
0.1274

210.2588, 0.3083,
0.2553

 1.5000, 0.2630,
0.0943

255.6247, 0.3087,

 0.2887, 0.2398,

0.2594

0.0383

307.0874, 0.3091,
0.2631

0.0000, 0.1759,
0.0000

0.0000, 0.0000,
0.0000

44.5705, 0.3025,
0.2152

44.5705, 0.3025,
0.2152

37.1439, 0.2990,
0.1917

53.7517, 0.3056,
0.2406

31.3463, 0.2952,
0.1711

64.7905, 0.3082,
0.2669

27.0442, 0.2911,
0.1544

77.7885, 0.3104,
0.2931

24.0806, 0.2868,
0.1422

92.8384, 0.3121,
0.3184

■ 22.2630, 0.2826,
0.1346

99.9986, 0.3127,
0.3290

■ 21.5849, 0.2802,
0.1317

Harmonies

Analogous

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



44.5705, 0.2214, 0.1922



44.5705, 0.3025, 0.2152



44.5705, 0.4012, 0.2601

Triad

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



44.5705, 0.3025, 0.2152



44.5705, 0.4613, 0.4513



44.5705, 0.1694, 0.3049

Complementary

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



44.5705, 0.3025, 0.2152



80.9275, 0.3161, 0.4642

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.



44.5705, 0.2192, 0.4109



44.5705, 0.3025, 0.2152



44.5705, 0.3873, 0.5006

Square

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



44.5705, 0.3025, 0.2152



44.5705, 0.4989, 0.3850



44.5705, 0.2991, 0.4936



44.5705, 0.1549, 0.2303

Rectangle

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



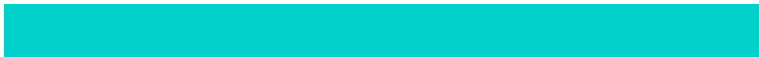
44.5705, 0.3025, 0.2152



44.5705, 0.4580, 0.2986



44.5705, 0.2991, 0.4936



44.5705, 0.1820, 0.3384

Sweetspot

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



44.5724, 0.3025, 0.2152



79.6576, 0.3106, 0.2965



38.3980, 0.2327, 0.2132



16.3860, 0.3102, 0.2907



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.



44.5724, 0.3025, 0.2152



38.0292, 0.2995, 0.1946



45.6269, 0.3518, 0.2529



18.1456, 0.3112, 0.3054



11.3354, 0.2809, 0.1321



1.1411, 0.2858, 0.1348

Inverse Universe

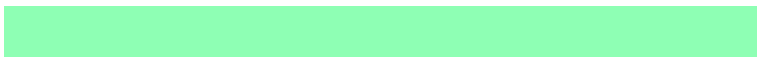
The Inverse Universe completely reimagines the original color for something new.



43.1369, 0.4121, 0.3105



36.5896, 0.4436, 0.3076



80.5382, 0.2881, 0.4210



18.0341, 0.3269, 0.3252



11.2045, 0.6179, 0.3178



1.1038, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 44.5705, 0.3025, 0.2152 looks on a white background.

Color Contrast Check

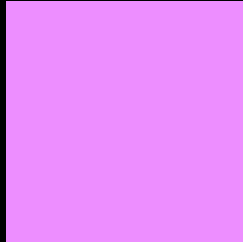
Large Text (above 18pt) WCAG AA × Fail

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 44.5705, 0.3025, 0.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

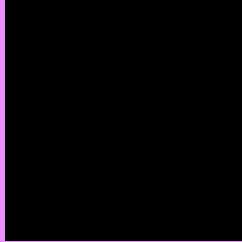
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5705, 0.3025, 0.2152

Background



This preview shows how black text looks on a background with the Yxy color 44.5705, 0.3025, 0.2152.



This preview shows how white text looks on a background with the Yxy color 44.5705, 0.3025, 0.2152.

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

44.5705, 0.3025, 0.2152

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.8588, 0.2469, 0.2401



Tritanopia

44.6756, 0.3644, 0.3151

Trichromacy



Original Color

44.5705, 0.3025, 0.2152



Protanomaly

43.8382, 0.2607, 0.2247



Deuteranomaly

43.8302, 0.2646, 0.2288

Tritanomaly

44.2460, 0.3407, 0.2742

Monochromacy



Original Color

44.5705, 0.3025, 0.2152



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.3052, 0.3098, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5705, 0.3025, 0.2152 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(237, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 142, 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(237, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 142, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5705, 0.3025, 0.2152 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(237, 142, 255) }
```

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

```
.border{ border-color:rgb(237, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 142,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5705, 0.3025, 0.2152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 142, 255) }
```

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

```
.background{ background-color: rgb(237,  
142, 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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