

Converting Colors

$Y_{xy}(56.7869, 0.2953, 0.2309)$

Have a look what the booklet for
Yxy(56.7869, 0.2953, 0.2309)
contains.

Yxy(55.7797, 0.3070, 0.2455)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.7797, 0.3070, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	F3ACFF
RGB	243, 172, 255
RGB Percent	95%, 67%, 100%
CMY	0.0472, 0.3254, 0.0001
CMYK	0.05, 0.33, 0.00, 0.00
HSL	291°, 100%, 84%
HSV	291°, 33%, 100%
XYZ	69.7530, 55.7797, 101.6758
YIQ	202.6910, 15.6730, 40.8650

Conversions

Conversions Part 2

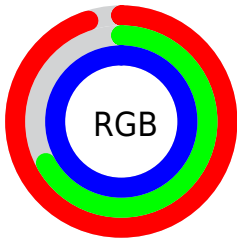
Format	Color
R_{YB}	243, 172, 255
Decimal	15969535
CIE _{Lab}	79.49, 39.41, -30.85
CIE _{LCh}	79, 50.053, 321.948
Yxy	55.7797, 0.3070, 0.2455
Android (android.graphics.Color)	4294159615 (0xFFFF3ACFF)
YUV	202.6910, 25.7883, 35.3510
Hunter-Lab	74.6858, 36.0104, -28.4362

Details

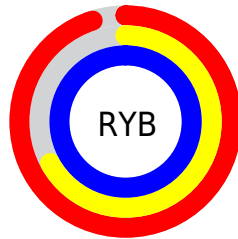
The Yxy color **55.7797, 0.3070, 0.2455** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **84.6775, 0.3153, 0.4240**, and the grayscale version is **59.3462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **27.4732, 0.3047, 0.2267** is the 20% darker color. If you saturate the color by 10%, you get **46.3385, 0.3044, 0.2200**, and if you desaturate by 10%, it is **67.1008, 0.3092, 0.2717**.

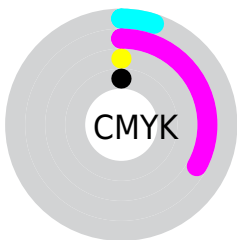
Distribution



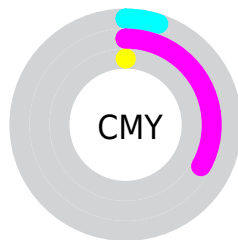
- Red (95%)
- Green (67%)
- Blue (100%)



- Red (95%)
- Yellow (67%)
- Blue (100%)



- Cyan (5%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7797, 0.3070, 0.2455 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 55.7797, 0.3070, 0.2455 by changing the saturation by 10% instead.


 55.7797, 0.3070,
0.2455

 55.7797, 0.3070,
0.2455


408.8607, 0.3108,
0.2830

 40.0263, 0.3059,
0.2373

 98.6824, 0.3085,
0.2583

 27.5591, 0.3044,
0.2272


126.6005, 0.3091,
0.2633

 17.9935, 0.3023,
0.2149


159.3423, 0.3095,
0.2677

 10.9454, 0.2992,
0.1992

197.2922, 0.3098,
0.2715

 6.0301, 0.2945,
0.1788

240.8346, 0.3101,
0.2749

 2.8634, 0.2866,
0.1516

290.3539, 0.3104,

 1.0608, 0.2724,

0.2779

0.1142

346.2345, 0.3106,
0.2806

■ 0.0000, 0.2597,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7797, 0.3070,
0.2455

■ 55.7797, 0.3070,
0.2455

■ 46.3385, 0.3044,
0.2200

■ 67.1008, 0.3092,
0.2717

■ 38.6630, 0.3013,
0.1963

■ 80.3929, 0.3110,
0.2977

■ 32.6379, 0.2980,
0.1754

■ 95.7500, 0.3124,
0.3228

■ 28.1312, 0.2943,
0.1583

99.9984, 0.3127,
0.3290

■ 24.9903, 0.2905,
0.1456

■ 23.0307, 0.2867,
0.1374

■ 22.1351, 0.2839,
0.1337

Harmonies

Analogous

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



55.7797, 0.2479, 0.2283



55.7797, 0.3070, 0.2455



55.7797, 0.3744, 0.2801

Triad

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



55.7797, 0.3070, 0.2455



55.7797, 0.4216, 0.4216



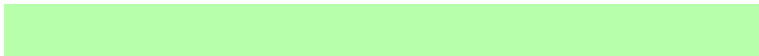
55.7797, 0.2095, 0.3157

Complementary

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



55.7797, 0.3070, 0.2455



84.6775, 0.3153, 0.4240

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.



55.7797, 0.2485, 0.3843



55.7797, 0.3070, 0.2455



55.7797, 0.3707, 0.4485

Square

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



55.7797, 0.3070, 0.2455



55.7797, 0.4439, 0.3760



55.7797, 0.3073, 0.4373



55.7797, 0.1967, 0.2614

Rectangle

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



55.7797, 0.3070, 0.2455



55.7797, 0.4126, 0.3098



55.7797, 0.3073, 0.4373



55.7797, 0.2198, 0.3381

Sweetspot

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



55.7821, 0.3070, 0.2455



84.1025, 0.3114, 0.3042



50.4672, 0.2560, 0.2470



17.5594, 0.3112, 0.3006



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.



55.7821, 0.3070, 0.2455



49.4778, 0.3053, 0.2289



56.2575, 0.3399, 0.2743



18.1593, 0.3115, 0.3054



11.6195, 0.2845, 0.1341



1.1662, 0.2889, 0.1365

Inverse Universe

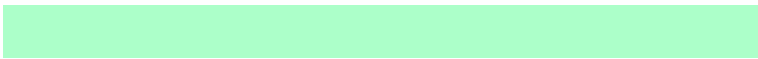
The Inverse Universe completely reimagines the original color for something new.



54.2316, 0.3774, 0.3166



47.7863, 0.3964, 0.3141



84.4971, 0.2930, 0.3910



18.0299, 0.3271, 0.3256



11.1911, 0.6209, 0.3194



1.1018, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 55.7797, 0.3070, 0.2455 looks on a white background.

Color Contrast Check

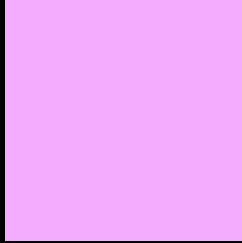
Large Text (above 18pt) WCAG AA × Fail

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 55.7797, 0.3070, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

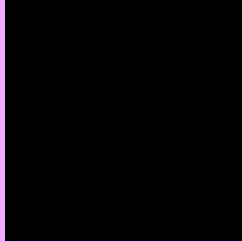
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7797, 0.3070, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 55.7797, 0.3070, 0.2455.



This preview shows how white text looks on a background with the Yxy color 55.7797, 0.3070, 0.2455.

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

55.7797, 0.3070, 0.2455

Protanopia

56.0740, 0.2632, 0.2606

Deuteranopia

56.2400, 0.2700, 0.2643



Tritanopia

55.6064, 0.3450, 0.3125

Trichromacy



Original Color

55.7797, 0.3070, 0.2455



Protanomaly

55.5980, 0.2780, 0.2545



Deuteranomaly

55.5560, 0.2827, 0.2569

Tritanomaly

55.5318, 0.3307, 0.2862

Monochromacy



Original Color

55.7797, 0.3070, 0.2455



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

57.8786, 0.3111, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7797, 0.3070, 0.2455 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(243, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 172, 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(243, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.7797, 0.3070, 0.2455 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(243, 172, 255) }
```

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

```
.border{ border-color:rgb(243, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7797, 0.3070, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 172, 255) }
```

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

```
.background{ background-color: rgb(243,  
172, 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](#).

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