

Converting Colors

$Y_{xy}(55.5796, 0.3033, 0.2461)$

Have a look what the booklet for
Yxy(55.5796, 0.3033, 0.2461)
contains.

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Color

Yxy(55.6692, 0.3030, 0.2465)

Conversions

Conversions Part 1

Format	Color
Hex	EEAEFF
RGB	238, 174, 255
RGB Percent	93%, 68%, 100%
CMY	0.0669, 0.3175, 0.0000
CMYK	0.07, 0.32, 0.00, 0.00
HSL	287°, 100%, 84%
HSV	287°, 32%, 100%
XYZ	68.4291, 55.6692, 101.7403
YIQ	202.3700, 12.1430, 38.7590

Conversions

Conversions Part 2

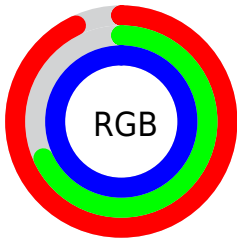
Format	Color
R _Y B	238, 174, 255
Decimal	15642367
CIE _{Lab}	79.43, 36.81, -31.00
CIE _{LCh}	79, 48.129, 319.900
Y _{xy}	55.6692, 0.3030, 0.2465
Android (android.graphics.Color)	4293832447 (0xFFEEAEFF)
Y _{UV}	202.3700, 25.9466, 31.2475
Hunter-Lab	74.6118, 33.1379, -28.6193

Details

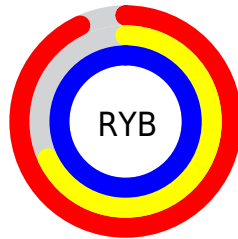
The Yxy color **55.6692, 0.3030, 0.2465** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.6615, 0.3186, 0.4204**, and the grayscale version is **59.1349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **27.5757, 0.2995, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **45.8185, 0.2987, 0.2201**, and if you desaturate by 10%, it is **67.4226, 0.3067, 0.2733**.

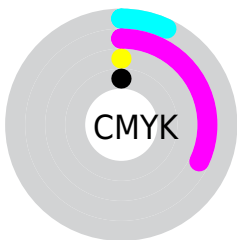
Distribution



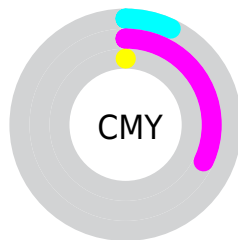
- Red (93%)
- Green (68%)
- Blue (100%)



- Red (93%)
- Yellow (68%)
- Blue (100%)



- Cyan (7%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6692, 0.3030, 0.2465 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 55.6692, 0.3030, 0.2465 by changing the saturation by 10% instead.

 55.6692, 0.3030,
0.2465

 55.6692, 0.3030,
0.2465


408.4437, 0.3086,
0.2837

 39.9378, 0.3015,
0.2383


 98.5207, 0.3052,
0.2592

 27.4900, 0.2994,
0.2284


126.4096, 0.3059,
0.2642

 17.9416, 0.2967,
0.2160


159.1198, 0.3066,
0.2685

 10.9081, 0.2928,
0.2004

197.0357, 0.3071,
0.2723

 6.0050, 0.2869,
0.1800

240.5416, 0.3076,
0.2756

 2.8481, 0.2775,
0.1527

290.0220, 0.3080,

 1.0530, 0.2610,

0.2786

0.1152

345.8612, 0.3083,
0.2813

0.0000, 0.2438,
0.0000

0.0000, 0.0000,
0.0000

55.6692, 0.3030,
0.2465

55.6692, 0.3030,
0.2465

45.8185, 0.2987,
0.2201

67.4226, 0.3067,
0.2733

37.7570, 0.2939,
0.1951

81.1695, 0.3098,
0.2996

31.3700, 0.2886,
0.1726

97.0035, 0.3123,
0.3247

26.5268, 0.2830,
0.1538

99.9996, 0.3127,
0.3290

■ 23.0763, 0.2773,
0.1393

■ 20.8372, 0.2716,
0.1295

■ 19.6751, 0.2671,
0.1245

Harmonies

Analogous

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



55.6692, 0.2470, 0.2312



55.6692, 0.3030, 0.2465



55.6692, 0.3679, 0.2791

Triad

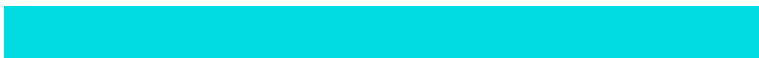
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.6692, 0.3030, 0.2465



55.6692, 0.4204, 0.4161



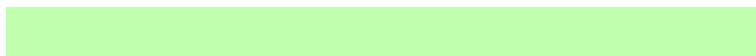
55.6692, 0.2149, 0.3208

Complementary

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



55.6692, 0.3030, 0.2465



85.6615, 0.3186, 0.4204

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.



55.6692, 0.2544, 0.3864



55.6692, 0.3030, 0.2465



55.6692, 0.3729, 0.4432

Square

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



55.6692, 0.3030, 0.2465



55.6692, 0.4392, 0.3716



55.6692, 0.3120, 0.4349



55.6692, 0.2005, 0.2669

Rectangle

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



55.6692, 0.3030, 0.2465



55.6692, 0.4055, 0.3076



55.6692, 0.3120, 0.4349



55.6692, 0.2254, 0.3425

Sweetspot

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



55.6716, 0.3030, 0.2465



83.7910, 0.3103, 0.3041



53.7356, 0.2583, 0.2557



17.4836, 0.3099, 0.3005



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.



55.6716, 0.3030, 0.2465



49.2996, 0.3004, 0.2299



57.3737, 0.3346, 0.2706



18.0959, 0.3104, 0.3053



10.3480, 0.2680, 0.1250



1.0536, 0.2743, 0.1285

Inverse Universe

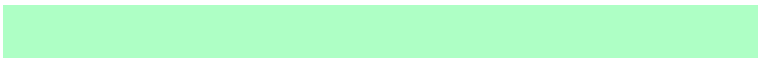
The Inverse Universe completely reimagines the original color for something new.



55.3099, 0.3703, 0.3113



48.9829, 0.3869, 0.3078



84.5487, 0.2963, 0.3958



18.0497, 0.3261, 0.3240



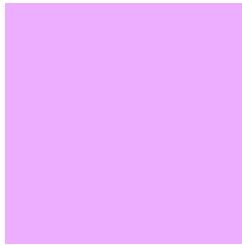
11.2640, 0.6051, 0.3107



1.1118, 0.5749, 0.2941

Previews

White Background



This preview shows how the Yxy color 55.6692, 0.3030, 0.2465 looks on a white background.

Color Contrast Check

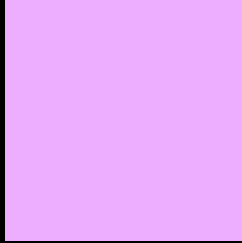
Large Text (above 18pt) WCAG AA × Fail

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 55.6692, 0.3030, 0.2465 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 55.6692, 0.3030, 0.2465

Background



This preview shows how black text looks on a background with the Yxy color 55.6692, 0.3030, 0.2465.

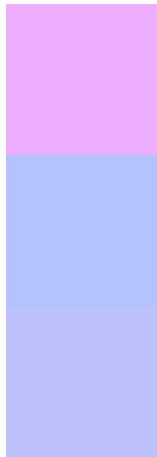


This preview shows how white text looks on a background with the Yxy color 55.6692, 0.3030, 0.2465.

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

55.6692, 0.3030, 0.2465

Protanopia

55.9535, 0.2625, 0.2605

Deuteranopia

55.7963, 0.2699, 0.2631



Tritanopia

55.6444, 0.3396, 0.3134

Trichromacy



Original Color

55.6692, 0.3030, 0.2465



Protanomaly

55.1782, 0.2758, 0.2541



Deuteranomaly

55.2679, 0.2812, 0.2566



Tritanomaly

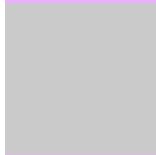
55.4859, 0.3263, 0.2878

Monochromacy



Original Color

55.6692, 0.3030, 0.2465



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.3668, 0.3095, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6692, 0.3030, 0.2465 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(238, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 174, 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(238, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.6692, 0.3030, 0.2465 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(238, 174, 255) }
```

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

```
.border{ border-color:rgb(238, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6692, 0.3030, 0.2465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 174, 255) }
```

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

```
.background{ background-color: rgb(238,  
174, 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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