

Converting Colors

$Yxy(61.6276, 0.2524, 0.1908)$

Have a look what the booklet for
Yxy(61.6276, 0.2524, 0.1908)
contains.

Yxy(55.6532, 0.2976, 0.2482)	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(55.6532, 0.2976, 0.2482)

Conversions

Conversions Part 1

Format	Color
Hex	E7B1FF
RGB	231, 177, 255
RGB Percent	91%, 69%, 100%
CMY	0.0941, 0.3059, 0.0000
CMYK	0.09, 0.31, 0.00, 0.00
HSL	282°, 100%, 85%
HSV	282°, 31%, 100%
XYZ	66.7300, 55.6532, 101.8440
YIQ	202.0380, 7.1460, 35.7060

Conversions

Conversions Part 2

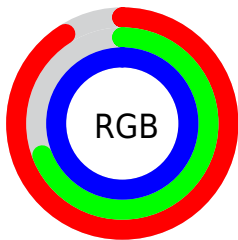
Format	Color
R _Y B	231, 177, 255
Decimal	15184383
CIE _{Lab}	79.42, 33.11, -31.08
CIE _{LCh}	79, 45.417, 316.812
Y _{xy}	55.6532, 0.2976, 0.2482
Android (android.graphics.Color)	4293374463 (0xFFE7B1FF)
Y _{UV}	202.0380, 26.1103, 25.3997
Hunter-Lab	74.6011, 29.1149, -28.7209

Details

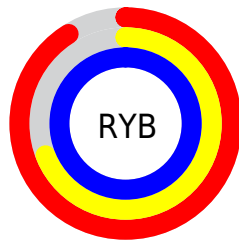
The Yxy color **55.6532, 0.2976, 0.2482** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.1110, 0.3232, 0.4153**, and the grayscale version is **58.9193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7578, 0.3137, 0.3078**, and **27.6065, 0.2933, 0.2308** is the 20% darker color. If you saturate the color by 10%, you get **45.2286, 0.2910, 0.2205**, and if you desaturate by 10%, it is **68.0212, 0.3034, 0.2758**.

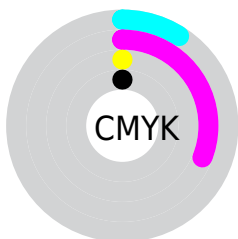
Distribution



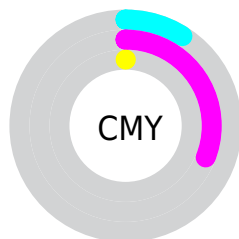
- Red (91%)
- Green (69%)
- Blue (100%)



- Red (91%)
- Yellow (69%)
- Blue (100%)



- Cyan (9%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6532, 0.2976, 0.2482 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 55.6532, 0.2976, 0.2482 by changing the saturation by 10% instead.


 55.6532, 0.2976,
0.2482

 55.6532, 0.2976,
0.2482


408.3832, 0.3057,
0.2847

 39.9249, 0.2955,
0.2401


 98.4973, 0.3006,
0.2607

 27.4800, 0.2928,
0.2303


126.3820, 0.3017,
0.2656

 17.9341, 0.2892,
0.2180


159.0876, 0.3027,
0.2699

 10.9027, 0.2842,
0.2025

196.9985, 0.3035,
0.2736

 6.0014, 0.2768,
0.1822

240.4991, 0.3041,
0.2769

 2.8459, 0.2654,
0.1549

289.9739, 0.3047,

 1.0518, 0.2459,

0.2798

0.1171

345.8071, 0.3052,
0.2824

0.0000, 0.2225,
0.0000

0.0000, 0.0000,
0.0000

55.6532, 0.2976,
0.2482

55.6532, 0.2976,
0.2482

45.2286, 0.2910,
0.2205

68.0212, 0.3034,
0.2758

36.6373, 0.2836,
0.1937

82.4259, 0.3084,
0.3024

29.7647, 0.2756,
0.1690

98.9597, 0.3125,
0.3276

24.4809, 0.2672,
0.1477

100.0000, 0.3127,
0.3290

■ 20.6375, 0.2587,
0.1307

■ 18.0567, 0.2504,
0.1186

■ 16.5156, 0.2430,
0.1112

Harmonies

Analogous

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



55.6532, 0.2461, 0.2356



55.6532, 0.2976, 0.2482



55.6532, 0.3588, 0.2779

Triad

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



55.6532, 0.2976, 0.2482



55.6532, 0.4180, 0.4082



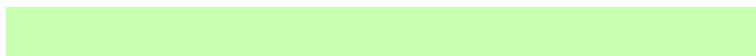
55.6532, 0.2228, 0.3278

Complementary

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



55.6532, 0.2976, 0.2482



87.1110, 0.3232, 0.4153

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.



55.6532, 0.2628, 0.3889



55.6532, 0.2976, 0.2482



55.6532, 0.3756, 0.4356

Square

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



55.6532, 0.2976, 0.2482



55.6532, 0.4320, 0.3653



55.6532, 0.3185, 0.4311



55.6532, 0.2064, 0.2748

Rectangle

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



55.6532, 0.2976, 0.2482



55.6532, 0.3955, 0.3045



55.6532, 0.3185, 0.4311



55.6532, 0.2337, 0.3484

Sweetspot

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



55.6546, 0.2976, 0.2482



84.9070, 0.3091, 0.3065



58.6678, 0.2616, 0.2681



17.6866, 0.3084, 0.3028



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.



55.6546, 0.2976, 0.2482



48.7527, 0.2935, 0.2304



59.0375, 0.3274, 0.2655



18.0036, 0.3088, 0.3052



8.7121, 0.2443, 0.1119



0.9059, 0.2532, 0.1168

Inverse Universe

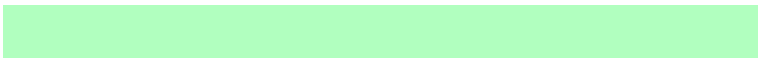
The Inverse Universe completely reimagines the original color for something new.



56.9213, 0.3608, 0.3042



50.3310, 0.3751, 0.2988



84.6420, 0.3009, 0.4022



18.0791, 0.3246, 0.3217



11.4228, 0.5742, 0.2937



1.1308, 0.5421, 0.2760

Previews

White Background



This preview shows how the Yxy color 55.6532, 0.2976, 0.2482 looks on a white background.

Color Contrast Check

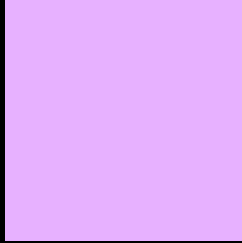
Large Text (above 18pt) WCAG AA × Fail

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 55.6532, 0.2976, 0.2482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

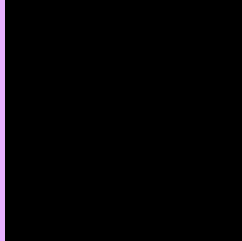
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6532, 0.2976, 0.2482

Background



This preview shows how black text looks on a background with the Yxy color 55.6532, 0.2976, 0.2482.

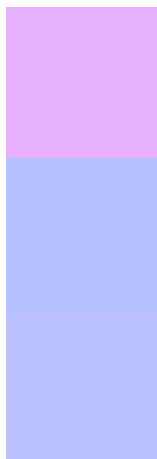


This preview shows how white text looks on a background with the Yxy color 55.6532, 0.2976, 0.2482.

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

55.6532, 0.2976, 0.2482

Protanopia

55.9535, 0.2625, 0.2605

Deuteranopia

55.7330, 0.2686, 0.2620



Tritanopia

55.4929, 0.3310, 0.3120

Trichromacy



Original Color

55.6532, 0.2976, 0.2482



Protanomaly

55.3286, 0.2745, 0.2549



Deuteranomaly

55.3290, 0.2785, 0.2563

Tritanomaly

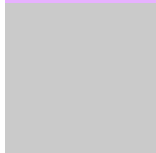
55.2562, 0.3188, 0.2871

Monochromacy



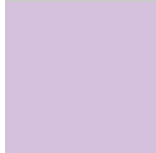
Original Color

55.6532, 0.2976, 0.2482



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

57.5065, 0.3079, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6532, 0.2976, 0.2482 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(231, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 177, 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(231, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.6532, 0.2976, 0.2482 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(231, 177, 255) }
```

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

```
.border{ border-color:rgb(231, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6532, 0.2976, 0.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 177, 255) }
```

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

```
.background{ background-color: rgb(231,  
177, 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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