

Converting Colors

$Yxy(54.7443, 0.2905, 0.2706)$

Have a look what the booklet for
Yxy(54.7443, 0.2905, 0.2706)
contains.

Yxy(54.8945, 0.2899, 0.2706)	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(54.8945, 0.2899, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	CEBBEF
RGB	206, 187, 239
RGB Percent	81%, 73%, 94%
CMY	0.1920, 0.2667, 0.0627
CMYK	0.14, 0.22, 0.00, 0.06
HSL	262°, 62%, 84%
HSV	262°, 22%, 94%
XYZ	58.8097, 54.8945, 89.1579
YIQ	198.6090, -5.3680, 20.2000

Conversions

Conversions Part 2

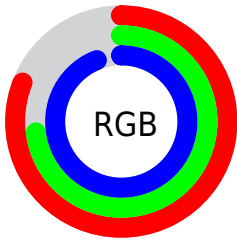
Format	Color
R _Y B	206, 187, 239
Decimal	13548527
CIE Lab	78.98, 16.66, -23.35
CIE LCh	79, 28.687, 305.514
Yxy	54.8945, 0.2899, 0.2706
Android (android.graphics.Color)	4291738607 (0xFFCEBBEF)
YUV	198.6090, 19.9128, 6.4819
Hunter-Lab	74.0908, 12.0258, -19.4836

Details

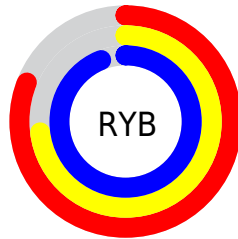
The Yxy color $54.8945, 0.2899, 0.2706$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $80.5321, 0.3321, 0.3857$, and the grayscale version is $56.7440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.5812, 0.3133, 0.3175$, and $27.0484, 0.2832, 0.2568$ is the 20% darker color. If you saturate the color by 10%, you get $43.5207, 0.2769, 0.2403$, and if you desaturate by 10%, it is $68.1694, 0.3013, 0.2989$.

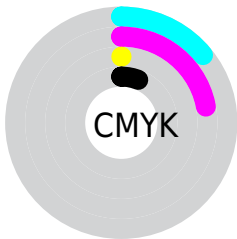
Distribution



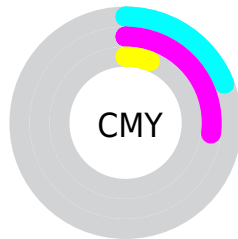
- Red (81%)
- Green (73%)
- Blue (94%)



- Red (81%)
- Yellow (73%)
- Blue (94%)



- Cyan (14%)
- Magenta (22%)
- Yellow (0%)
- Black (6%)





- Cyan (19%)
- Magenta (27%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8945, 0.2899, 0.2706 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 54.8945, 0.2899, 0.2706 by changing the saturation by 10% instead.

 54.8945, 0.2899,
0.2706

 54.8945, 0.2899,
0.2706


405.5119, 0.3012,
0.2979

 39.3173, 0.2871,
0.2643

 97.3864, 0.2940,
0.2801

 27.0066, 0.2836,
0.2566


125.0698, 0.2955,
0.2838

 17.5782, 0.2790,
0.2468


157.5574, 0.2968,
0.2869

 10.6476, 0.2727,
0.2340

195.2335, 0.2980,
0.2897

 5.8304, 0.2637,
0.2167

238.4827, 0.2989,
0.2921

 2.7422, 0.2499,
0.1920

287.6892, 0.2998,

 0.9987, 0.2267,

0.2943

0.1549

343.2375, 0.3006,
0.2962

0.0000, 0.1561,
0.0000

0.0000, 0.0000,
0.0000

54.8945, 0.2899,
0.2706

54.8945, 0.2899,
0.2706

43.5207, 0.2769,
0.2403

68.1694, 0.3013,
0.2989

33.9519, 0.2625,
0.2088

83.4220, 0.3111,
0.3247

26.0936, 0.2469,
0.1772

98.3520, 0.3198,
0.3445

19.8399, 0.2308,
0.1472

99.0121, 0.3220,
0.3444

■ 15.0724, 0.2148,
0.1205

■ 11.6560, 0.1998,
0.0989

■ 9.4289, 0.1867,
0.0835

■ 8.2814, 0.1777,
0.0752

Harmonies

Analogous

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



54.8945, 0.2598, 0.2679



54.8945, 0.2899, 0.2706



54.8945, 0.3280, 0.2867

Triad

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



54.8945, 0.2899, 0.2706



54.8945, 0.3861, 0.3728



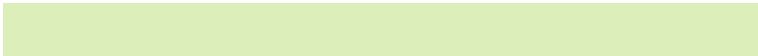
54.8945, 0.2629, 0.3437

Complementary

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



54.8945, 0.2899, 0.2706



80.5321, 0.3321, 0.3857

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.



54.8945, 0.2945, 0.3776



54.8945, 0.2899, 0.2706



54.8945, 0.3661, 0.3931

Square

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



54.8945, 0.2899, 0.2706



54.8945, 0.3855, 0.3434



54.8945, 0.3323, 0.3960



54.8945, 0.2450, 0.3074

Rectangle

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



54.8945, 0.2899, 0.2706



54.8945, 0.3529, 0.3032



54.8945, 0.3323, 0.3960



54.8945, 0.2722, 0.3559

Sweetspot

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



54.8968, 0.2899, 0.2706



87.0518, 0.3061, 0.3114



68.4033, 0.2789, 0.3083



18.4053, 0.3055, 0.3098



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.



54.8968, 0.2899, 0.2706



57.6274, 0.2845, 0.2577



58.7930, 0.3092, 0.2739



15.5104, 0.3037, 0.3050



4.6443, 0.1792, 0.0761



0.4409, 0.1938, 0.0841

Inverse Universe

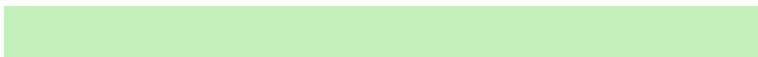
The Inverse Universe completely reimagines the original color for something new.



59.0551, 0.3299, 0.2939



63.2807, 0.3341, 0.2866



76.8966, 0.3150, 0.3888



15.9275, 0.3194, 0.3141



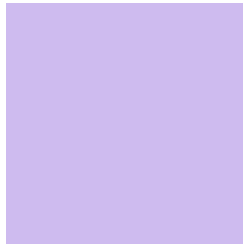
11.4113, 0.4402, 0.2199



0.9684, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 54.8945, 0.2899, 0.2706 looks on a white background.

Color Contrast Check

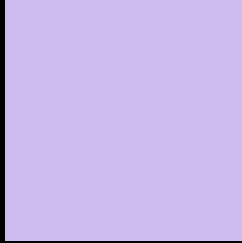
Large Text (above 18pt) WCAG AA × Fail

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 54.8945, 0.2899, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

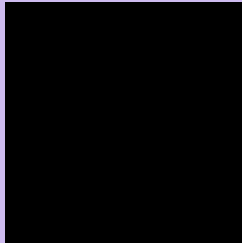
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8945, 0.2899, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 54.8945, 0.2899, 0.2706.



This preview shows how white text looks on a background with the Yxy color 54.8945, 0.2899, 0.2706.

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

54.8945, 0.2899, 0.2706

Protanopia

55.3056, 0.2715, 0.2711

Deuteranopia

54.7721, 0.2812, 0.2748



Tritanopia

55.1115, 0.3080, 0.3112

Trichromacy



Original Color

54.8945, 0.2899, 0.2706

Protanomaly

54.8789, 0.2780, 0.2705

Deuteranomaly

55.0057, 0.2848, 0.2742

Tritanomaly

55.0726, 0.3016, 0.2964

Monochromacy



Original Color

54.8945, 0.2899, 0.2706

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

56.4418, 0.3044, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8945, 0.2899, 0.2706 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(206, 187, 239)` looks like.

```
.text, #text, p{  
    color:rgb(206, 187, 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(206, 187, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 187, 239) }
```

Border

The CSS property to change the border of an element to Yxy 54.8945, 0.2899, 0.2706 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(206, 187, 239) }
```

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

```
.border{ border-color:rgb(206, 187, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 187, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 187, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 187, 239);  
box-shadow:4px 4px 4px 4px rgb(206, 187,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8945, 0.2899, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 187, 239) }
```

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

```
.background{ background-color: rgb(206,  
187, 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