

Converting Colors

$Y_{xy}(27.5986, 0.2938, 0.1954)$

Have a look what the booklet for
Yxy(27.5986, 0.2938, 0.1954)
contains.

Yxy(27.4523, 0.2933, 0.1946)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4523, 0.2933, 0.1946)

Conversions

Conversions Part 1

Format	Color
Hex	C56ADE
RGB	197, 106, 222
RGB Percent	77%, 42%, 87%
CMY	0.2273, 0.5844, 0.1293
CMYK	0.11, 0.52, 0.00, 0.13
HSL	287°, 64%, 64%
HSV	287°, 52%, 87%
XYZ	41.3759, 27.4523, 72.2422
YIQ	146.4330, 17.0000, 55.3680

Conversions

Conversions Part 2

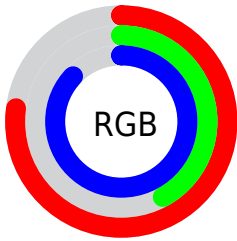
Format	Color
R_{YB}	197, 106, 222
Decimal	12937950
CIE _{Lab}	59.39, 53.98, -44.45
CIE _{LCh}	59, 69.930, 320.529
Yxy	27.4523, 0.2933, 0.1946
Android (android.graphics.Color)	4291128030 (0xFFC56ADE)
YUV	146.4330, 37.2545, 44.3473
Hunter-Lab	52.3949, 49.2692, -45.0726

Details

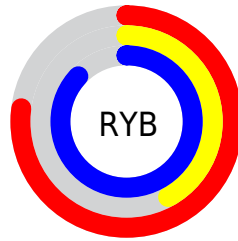
The Yxy color **27.4523, 0.2933, 0.1946** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.1167, 0.3199, 0.4882**, and the grayscale version is **28.7692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **10.8719, 0.2844, 0.1619** is the 20% darker color. If you saturate the color by 10%, you get **22.8211, 0.2879, 0.1723**, and if you desaturate by 10%, it is **33.2905, 0.2982, 0.2195**.

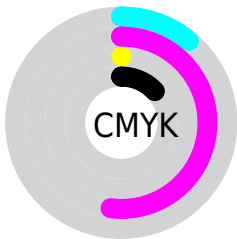
Distribution



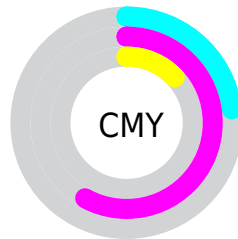
- Red (77%)
- Green (42%)
- Blue (87%)



- Red (77%)
- Yellow (42%)
- Blue (87%)



- Cyan (11%)
- Magenta (52%)
- Yellow (0%)
- Black (13%)




- Cyan (23%)
- Magenta (58%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4523, 0.2933, 0.1946 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 27.4523, 0.2933, 0.1946 by changing the saturation by 10% instead.

 27.4523, 0.2933,
0.1946


 27.4523, 0.2933,
0.1946


289.8405, 0.3061,
0.2588


 17.9132, 0.2892,
0.1799


 55.6088, 0.2986,
0.2170


 10.8877, 0.2835,
0.1618


 74.9950, 0.3005,
0.2257

 5.9914, 0.2753,
0.1394


 98.4324, 0.3019,
0.2332

 2.8398, 0.2626,
0.1113

 126.3053, 0.3031,
0.2397

 1.0487, 0.2420,
0.0765

158.9982, 0.3040,
0.2453

 0.0000, 0.2139,
0.0000

196.8954, 0.3049,

 0.0000, 0.0870,

0.2503


0.0000

240.3814, 0.3056,
0.2548


 0.0000, 0.0000,
0.0000


 27.4523, 0.2933,
0.1946


 27.4523, 0.2933,
0.1946


 22.8211, 0.2879,
0.1723


 33.2905, 0.2982,
0.2195


 19.2998, 0.2822,
0.1534


 40.4158, 0.3026,
0.2457


 16.7819, 0.2764,
0.1390

 48.9055, 0.3064,
0.2723

 15.1380, 0.2707,
0.1291

 58.8298, 0.3096,
0.2985

 14.3013, 0.2663,
0.1241

 70.2539, 0.3122,
0.3235

■ 83.2391, 0.3143,
0.3471

■ 93.7005, 0.3164,
0.3627

■ 94.5043, 0.3194,
0.3624

■ 95.3299, 0.3225,
0.3621

Harmonies

Analogous

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



27.4523, 0.2009, 0.1699



27.4523, 0.2933, 0.1946



27.4523, 0.4132, 0.2440

Triad

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



27.4523, 0.2933, 0.1946



27.4523, 0.4867, 0.4613



27.4523, 0.1461, 0.3019

Complementary

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



27.4523, 0.2933, 0.1946



58.1167, 0.3199, 0.4882

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.



27.4523, 0.2030, 0.4369



27.4523, 0.2933, 0.1946



27.4523, 0.3987, 0.5308

Square

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



27.4523, 0.2933, 0.1946



27.4523, 0.5342, 0.3826



27.4523, 0.2961, 0.5373



27.4523, 0.1301, 0.2129

Rectangle

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



27.4523, 0.2933, 0.1946



27.4523, 0.4845, 0.2866



27.4523, 0.2961, 0.5373



27.4523, 0.1602, 0.3438

Sweetspot

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



27.4535, 0.2933, 0.1946



75.0468, 0.3084, 0.2885



24.6009, 0.2193, 0.1979



15.4592, 0.3077, 0.2831



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.



27.4535, 0.2933, 0.1946



30.5696, 0.2872, 0.1698



29.5155, 0.3542, 0.2350



13.7790, 0.3104, 0.3057



8.5427, 0.2671, 0.1245



0.6296, 0.2758, 0.1293

Inverse Universe

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



27.4724, 0.4302, 0.3001



30.9108, 0.4722, 0.2965



57.1776, 0.2883, 0.4489



13.7486, 0.3258, 0.3240



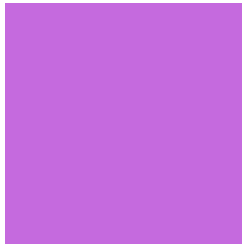
9.3634, 0.6025, 0.3093



0.6622, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 27.4523, 0.2933, 0.1946 looks on a white background.

Color Contrast Check

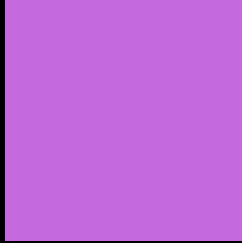
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4523, 0.2933, 0.1946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

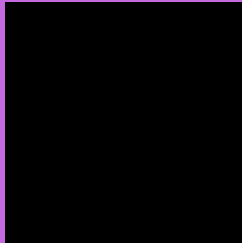
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4523, 0.2933, 0.1946

Background



This preview shows how black text looks on a background with the Yxy color 27.4523, 0.2933, 0.1946.

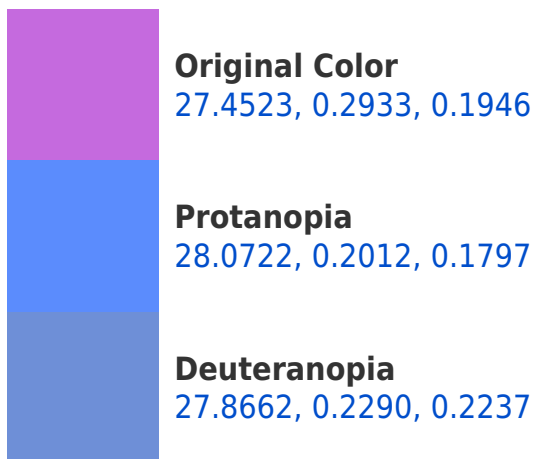


This preview shows how white text looks on a background with the Yxy color 27.4523, 0.2933, 0.1946.

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





Tritanopia

27.2992, 0.3706, 0.3150

Trichromacy



Original Color

27.4523, 0.2933, 0.1946



Protanomaly

26.5950, 0.2242, 0.1810



Deuteranomaly

26.7780, 0.2476, 0.2086



Tritanomaly

26.8396, 0.3401, 0.2634

Monochromacy



Original Color

27.4523, 0.2933, 0.1946



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2879, 0.3059, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4523, 0.2933, 0.1946 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(197, 106, 222)` looks like.

```
.text, #text, p{  
    color:rgb(197, 106, 222)  
}
```

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(197, 106, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 106, 222) }
```

Border

The CSS property to change the border of an element to Yxy 27.4523, 0.2933, 0.1946 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(197, 106, 222) }
```

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

```
.border{ border-color:rgb(197, 106, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 106, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 106, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 106, 222); box-shadow:4px 4px 4px 4px rgb(197, 106, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4523, 0.2933, 0.1946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 106, 222) }
```

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

```
.background{ background-color: rgb(197,  
106, 222) }
```

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