

Converting Colors

$Y_{xy}(27.7479, 0.2965, 0.2251)$

Have a look what the booklet for
Yxy(27.7479, 0.2965, 0.2251)
contains.

Yxy(27.7155, 0.2966, 0.2256)	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(27.7155, 0.2966, 0.2256)

Conversions

Conversions Part 1

Format	Color
Hex	B579C9
RGB	181, 121, 201
RGB Percent	71%, 47%, 79%
CMY	0.2902, 0.5255, 0.2117
CMYK	0.10, 0.40, 0.00, 0.21
HSL	285°, 43%, 63%
HSV	285°, 40%, 79%
XYZ	36.4380, 27.7155, 58.6989
YIQ	148.0600, 10.0800, 37.6000

Conversions

Conversions Part 2

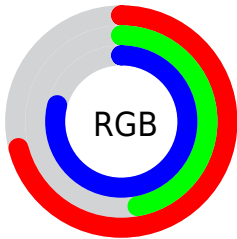
Format	Color
R_{YB}	181, 121, 201
Decimal	11893193
CIE _{Lab}	59.63, 37.23, -32.38
CIE _{LCh}	60, 49.339, 318.988
Yxy	27.7155, 0.2966, 0.2256
Android (android.graphics.Color)	4290083273 (0xFFB579C9)
YUV	148.0600, 26.0994, 28.8884
Hunter-Lab	52.6455, 31.4172, -29.2555

Details

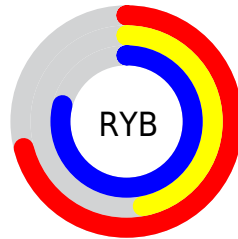
The Yxy color **27.7155, 0.2966, 0.2256** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.8268, 0.3217, 0.4447**, and the grayscale version is **29.5273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6692, 0.3030, 0.2465**, and **11.1251, 0.2891, 0.1976** is the 20% darker color. If you saturate the color by 10%, you get **22.7326, 0.2909, 0.1999**, and if you desaturate by 10%, it is **33.7406, 0.3016, 0.2523**.

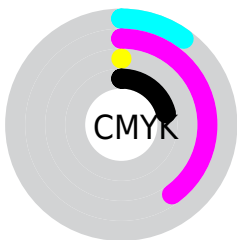
Distribution



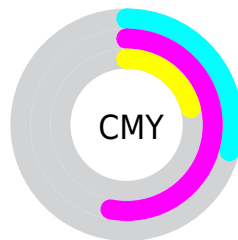
- Red (71%)
- Green (47%)
- Blue (79%)



- Red (71%)
- Yellow (47%)
- Blue (79%)



- Cyan (10%)
- Magenta (40%)
- Yellow (0%)
- Black (21%)





- Cyan (29%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7155, 0.2966, 0.2256 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 27.7155, 0.2966, 0.2256 by changing the saturation by 10% instead.


 27.7155, 0.2966,
0.2256


 27.7155, 0.2966,
0.2256


291.1050, 0.3067,
0.2770


 18.1113, 0.2934,
0.2131


 56.0299, 0.3007,
0.2441

 11.0299, 0.2890,
0.1972


 75.5089, 0.3022,
0.2511

 6.0870, 0.2824,
0.1766


 99.0483, 0.3033,
0.2571

 2.8980, 0.2721,
0.1493

127.0325, 0.3042,
0.2622

 1.0787, 0.2542,
0.1119

159.8458, 0.3050,
0.2666

 0.0000, 0.2344,
0.0000

197.8728, 0.3056,

 0.0000, 0.0000,

0.2705

0.0000

241.4977, 0.3062,
0.2740

■ 27.7155, 0.2966,
0.2256

■ 27.7155, 0.2966,
0.2256

■ 22.7326, 0.2909,
0.1999

■ 33.7406, 0.3016,
0.2523

■ 18.7244, 0.2847,
0.1762

■ 40.8629, 0.3060,
0.2790

■ 15.6210, 0.2781,
0.1557

■ 49.1375, 0.3097,
0.3049

■ 13.3414, 0.2713,
0.1392

■ 58.6149, 0.3128,
0.3295

■ 11.7899, 0.2646,
0.1274

■ 69.3425, 0.3153,
0.3524

■ 10.7898, 0.2581,
0.1196

■ 81.3652, 0.3172,
0.3736

■ 10.7721, 0.2580,
0.1195

■ 90.3675, 0.3194,
0.3865

■ 91.1461, 0.3226,
0.3859

■ 91.9483, 0.3258,
0.3853

Harmonies

Analogous

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



27.7155, 0.2276, 0.2073



27.7155, 0.2966, 0.2256



27.7155, 0.3807, 0.2644

Triad

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



27.7155, 0.2966, 0.2256



27.7155, 0.4490, 0.4337



27.7155, 0.1904, 0.3184

Complementary

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



27.7155, 0.2966, 0.2256



48.8268, 0.3217, 0.4447

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.



27.7155, 0.2389, 0.4072



27.7155, 0.2966, 0.2256



27.7155, 0.3880, 0.4750

Square

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



27.7155, 0.2966, 0.2256



27.7155, 0.4747, 0.3760



27.7155, 0.3111, 0.4710



27.7155, 0.1733, 0.2495

Rectangle

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



27.7155, 0.2966, 0.2256



27.7155, 0.4309, 0.2985



27.7155, 0.3111, 0.4710



27.7155, 0.2032, 0.3474

Sweetspot

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



27.7167, 0.2966, 0.2256



80.5837, 0.3089, 0.2988



27.7296, 0.2448, 0.2411



16.8354, 0.3084, 0.2954



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.



27.7167, 0.2966, 0.2256



39.7943, 0.2916, 0.2027



29.4865, 0.3370, 0.2521



10.6779, 0.3099, 0.3060



6.8167, 0.2589, 0.1200



0.3554, 0.2724, 0.1274

Inverse Universe

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



28.0183, 0.3864, 0.3029



40.5779, 0.4120, 0.2975



47.7309, 0.2954, 0.4211



10.6797, 0.3251, 0.3232



7.9665, 0.5908, 0.3028



0.3893, 0.5296, 0.2691

Previews

White Background



This preview shows how the Yxy color 27.7155, 0.2966, 0.2256 looks on a white background.

Color Contrast Check

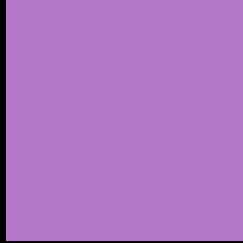
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7155, 0.2966, 0.2256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

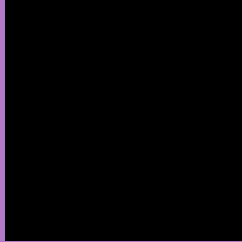
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7155, 0.2966, 0.2256

Background



This preview shows how black text looks on a background with the Yxy color 27.7155, 0.2966, 0.2256.



This preview shows how white text looks on a background with the Yxy color 27.7155, 0.2966, 0.2256.

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

27.7155, 0.2966, 0.2256

Protanopia

27.8936, 0.2314, 0.2187

Deuteranopia

27.9664, 0.2528, 0.2468



Tritanopia

27.6729, 0.3466, 0.3129

Trichromacy



Original Color

27.7155, 0.2966, 0.2256

Protanomaly

27.3791, 0.2507, 0.2199

Deuteranomaly

27.3305, 0.2670, 0.2373

Tritanomaly

27.6472, 0.3274, 0.2781

Monochromacy



Original Color

27.7155, 0.2966, 0.2256

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4406, 0.3073, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7155, 0.2966, 0.2256 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(181, 121, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 121, 201)  
}
```

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(181, 121, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 121, 201) }
```

Border

The CSS property to change the border of an element to Yxy 27.7155, 0.2966, 0.2256 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(181, 121, 201) }
```

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

```
.border{ border-color:rgb(181, 121, 201) }
```

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

Here you see how a box with a 4 pixel rgb(181, 121, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 121, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 121, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 121,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7155, 0.2966, 0.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 121, 201) }
```

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

```
.background{ background-color: rgb(181,  
121, 201) }
```

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