

Converting Colors

$Y_{xy}(23.4743, 0.2906, 0.2036)$

Have a look what the booklet for
Yxy(23.4743, 0.2906, 0.2036)
contains.

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Color

Yxy(23.5503, 0.2911, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	B069C9
RGB	176, 105, 201
RGB Percent	69%, 41%, 79%
CMY	0.3096, 0.5883, 0.2117
CMYK	0.12, 0.48, 0.00, 0.21
HSL	284°, 47%, 60%
HSV	284°, 48%, 79%
XYZ	33.5068, 23.5503, 58.0470
YIQ	137.1730, 11.5000, 44.9080

Conversions

Conversions Part 2

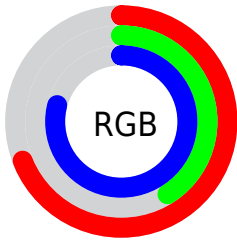
Format	Color
R _Y B	176, 105, 201
Decimal	11561417
CIE Lab	55.63, 44.44, -38.66
CIE LCh	56, 58.905, 318.978
Yxy	23.5503, 0.2911, 0.2046
Android (android.graphics.Color)	4289751497 (0xFFB069C9)
YUV	137.1730, 31.4667, 34.0513
Hunter-Lab	48.5287, 38.3209, -36.9490

Details

The Yxy color **23.5503, 0.2911, 0.2046** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.5417, 0.3232, 0.4707**, and the grayscale version is **24.9606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9974, 0.2991, 0.2294**, and **8.7786, 0.2806, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **19.3324, 0.2847, 0.1802**, and if you desaturate by 10%, it is **28.7613, 0.2969, 0.2308**.

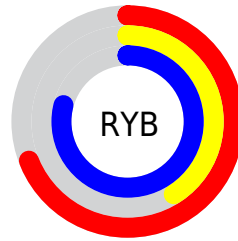
Distribution



Red (69%)

Green (41%)

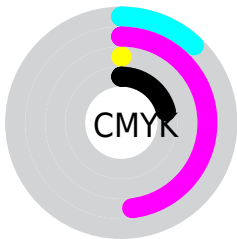
Blue (79%)



Red (69%)

Yellow (41%)

Blue (79%)

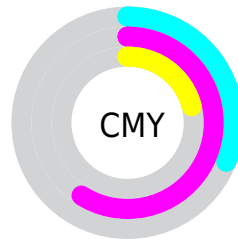


Cyan (12%)

Magenta (48%)

Yellow (0%)

Black (21%)



Cyan (31%)


Magenta (59%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5503, 0.2911, 0.2046 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 23.5503, 0.2911, 0.2046 by changing the saturation by 10% instead.


 23.5503, 0.2911,
0.2046


 23.5503, 0.2911,
0.2046


270.5390, 0.3050,
0.2665


 15.0004, 0.2866,
0.1896


 49.2954, 0.2969,
0.2268

 8.8196, 0.2804,
0.1708


 67.2593, 0.2988,
0.2353

 4.6237, 0.2710,
0.1468


 89.1300, 0.3004,
0.2425

 2.0282, 0.2562,
0.1156

 115.2918, 0.3016,
0.2486

 0.6238, 0.2315,
0.0727

146.1293, 0.3027,
0.2540

 0.0000, 0.1850,
0.0000

182.0267, 0.3036,

 0.0000, 0.0000,

0.2587

0.0000

223.3685, 0.3043,
0.2628

■ 23.5503, 0.2911,
0.2046

■ 23.5503, 0.2911,
0.2046

■ 19.3324, 0.2847,
0.1802

■ 28.7613, 0.2969,
0.2308

■ 16.0350, 0.2779,
0.1588

■ 35.0251, 0.3021,
0.2576

■ 13.5805, 0.2709,
0.1413

■ 42.4002, 0.3065,
0.2843

■ 11.8766, 0.2639,
0.1283

■ 50.9399, 0.3103,
0.3100

■ 10.7900, 0.2571,
0.1198

■ 60.6941, 0.3134,
0.3343

■ 10.5833, 0.2556,
0.1181

■ 71.7095, 0.3159,
0.3569

■ 84.0307, 0.3179,
0.3776

■ 90.6214, 0.3204,
0.3863

■ 91.4394, 0.3238,
0.3857

Harmonies

Analogous

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



23.5503, 0.2083, 0.1830



23.5503, 0.2911, 0.2046



23.5503, 0.3971, 0.2497

Triad

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



23.5503, 0.2911, 0.2046



23.5503, 0.4763, 0.4500



23.5503, 0.1635, 0.3124

Complementary

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



23.5503, 0.2911, 0.2046



47.5417, 0.3232, 0.4707

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.



23.5503, 0.2192, 0.4296



23.5503, 0.2911, 0.2046



23.5503, 0.3992, 0.5090

Square

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



23.5503, 0.2911, 0.2046



23.5503, 0.5130, 0.3788



23.5503, 0.3059, 0.5130



23.5503, 0.1455, 0.2286

Rectangle

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



23.5503, 0.2911, 0.2046



23.5503, 0.4613, 0.2891



23.5503, 0.3059, 0.5130



23.5503, 0.1777, 0.3498

Sweetspot

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



23.5513, 0.2911, 0.2046



77.5814, 0.3079, 0.2936



23.3416, 0.2299, 0.2197



15.9450, 0.3071, 0.2879



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.



23.5513, 0.2911, 0.2046



33.0795, 0.2847, 0.1802



25.7569, 0.3434, 0.2375



10.6725, 0.3097, 0.3059



6.6993, 0.2565, 0.1187



0.3507, 0.2705, 0.1264

Inverse Universe

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



24.1285, 0.4079, 0.2968



34.4571, 0.4405, 0.2914



46.3246, 0.2927, 0.4436



10.6815, 0.3249, 0.3230



7.9780, 0.5876, 0.3011



0.3900, 0.5262, 0.2673

Previews

White Background



This preview shows how the Yxy color 23.5503, 0.2911, 0.2046 looks on a white background.

Color Contrast Check

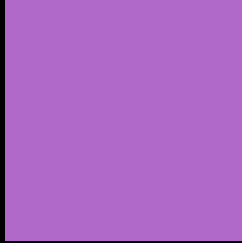
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5503, 0.2911, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

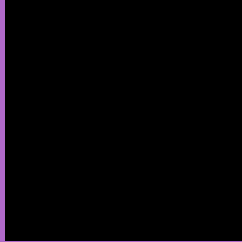
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5503, 0.2911, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 23.5503, 0.2911, 0.2046.



This preview shows how white text looks on a background with the Yxy color 23.5503, 0.2911, 0.2046.

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

23.5503, 0.2911, 0.2046

Protanopia

24.0473, 0.2118, 0.1938

Deuteranopia

23.8864, 0.2351, 0.2300



Tritanopia

23.4204, 0.3570, 0.3137

Trichromacy



Original Color

23.5503, 0.2911, 0.2046



Protanomaly

23.1620, 0.2329, 0.1950



Deuteranomaly

23.1487, 0.2517, 0.2175



Tritanomaly

23.2078, 0.3325, 0.2688

Monochromacy



Original Color

23.5503, 0.2911, 0.2046



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.7846, 0.3050, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5503, 0.2911, 0.2046 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(176, 105, 201)` looks like.

```
.text, #text, p{  
    color:rgb(176, 105, 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(176, 105, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 105, 201) }
```

Border

The CSS property to change the border of an element to Yxy 23.5503, 0.2911, 0.2046 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(176, 105, 201) }
```

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

```
.border{ border-color:rgb(176, 105, 201) }
```

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

Here you see how a box with a 4 pixel rgb(176, 105, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 105, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 105, 201);  
box-shadow:4px 4px 4px 4px rgb(176, 105,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5503, 0.2911, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 105, 201) }
```

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

```
.background{ background-color: rgb(176,  
105, 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](#).

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