

Converting Colors

$Y_{xy}(23.5605, 0.2877, 0.2102)$

Have a look what the booklet for
Yxy(23.5605, 0.2877, 0.2102)
contains.

Yxy(23.5605, 0.2877, 0.2102)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5605, 0.2877, 0.2102)

Conversions

Conversions Part 1

Format	Color
Hex	AA6DC6
RGB	170, 109, 198
RGB Percent	67%, 43%, 78%
CMY	0.3331, 0.5726, 0.2235
CMYK	0.14, 0.45, 0.00, 0.22
HSL	281°, 44%, 60%
HSV	281°, 45%, 78%
XYZ	32.2472, 23.5605, 56.2784
YIQ	137.3850, 7.7870, 40.6110

Conversions

Conversions Part 2

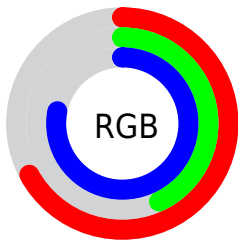
Format	Color
RYB	170, 109, 198
Decimal	11169222
CIELab	55.65, 39.91, -36.98
CIELCh	56, 54.412, 317.185
Yxy	23.5605, 0.2877, 0.2102
Android (android.graphics.Color)	4289359302 (0xFFAA6DC6)
YUV	137.3850, 29.8832, 28.6034
Hunter-Lab	48.5392, 33.6436, -34.7660

Details

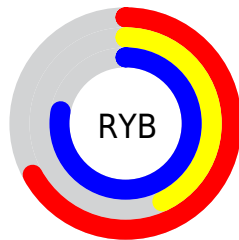
The Yxy color **23.5605, 0.2877, 0.2102** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.8086, 0.3267, 0.4597**, and the grayscale version is **25.0524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3916, 0.2943, 0.2320**, and **8.8545, 0.2759, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **19.1262, 0.2800, 0.1843**, and if you desaturate by 10%, it is **28.9810, 0.2947, 0.2374**.

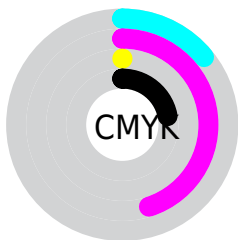
Distribution



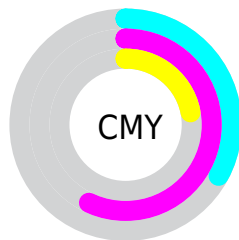
- Red (67%)
- Green (43%)
- Blue (78%)



- Red (67%)
- Yellow (43%)
- Blue (78%)



- Cyan (14%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (57%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5605, 0.2877, 0.2102 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 23.5605, 0.2877, 0.2102 by changing the saturation by 10% instead.


 23.5605, 0.2877,
0.2102


 23.5605, 0.2877,
0.2102


270.5909, 0.3031,
0.2699


 15.0079, 0.2829,
0.1956


 49.3120, 0.2940,
0.2318

 8.8249, 0.2761,
0.1771


 67.2798, 0.2962,
0.2399

 4.6272, 0.2662,
0.1533


 89.1547, 0.2979,
0.2468

 2.0302, 0.2505,
0.1220

 115.3212, 0.2994,
0.2527

 0.6249, 0.2245,
0.0781

146.1637, 0.3005,
0.2579

 0.0000, 0.1695,
0.0000

182.0666, 0.3015,

 0.0000, 0.0000,

0.2624

0.0000

223.4142, 0.3024,
0.2663

■ 23.5605, 0.2877,
0.2102

■ 23.5605, 0.2877,
0.2102

■ 19.1262, 0.2800,
0.1843

■ 28.9810, 0.2947,
0.2374

■ 15.6099, 0.2718,
0.1609

■ 35.4438, 0.3009,
0.2648

■ 12.9395, 0.2632,
0.1410


■ 43.0044, 0.3062,
0.2915


■ 11.0302, 0.2548,
0.1257

■ 51.7131, 0.3108,
0.3170

■ 9.7791, 0.2466,
0.1151


■ 61.6175, 0.3145,
0.3408

 9.2969, 0.2426,
0.1110

 72.7620, 0.3176,
0.3627

 85.1892, 0.3201,
0.3828

 90.7814, 0.3234,
0.3893

 91.7687, 0.3274,
0.3886

Harmonies

Analogous

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



23.5605, 0.2116, 0.1912



23.5605, 0.2877, 0.2102



23.5605, 0.3853, 0.2519

Triad

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



23.5605, 0.2877, 0.2102



23.5605, 0.4701, 0.4408



23.5605, 0.1753, 0.3207

Complementary

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



23.5605, 0.2877, 0.2102



46.8086, 0.3267, 0.4597

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.



23.5605, 0.2308, 0.4274



23.5605, 0.2877, 0.2102



23.5605, 0.4006, 0.4948

Square

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



23.5605, 0.2877, 0.2102



23.5605, 0.4994, 0.3742



23.5605, 0.3134, 0.4995



23.5605, 0.1554, 0.2398

Rectangle

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



23.5605, 0.2877, 0.2102



23.5605, 0.4455, 0.2890



23.5605, 0.3134, 0.4995



23.5605, 0.1899, 0.3555

Sweetspot

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



23.5615, 0.2877, 0.2102



78.7215, 0.3071, 0.2961



25.2673, 0.2365, 0.2346



16.1533, 0.3060, 0.2902



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.



23.5615, 0.2877, 0.2102



33.9731, 0.2801, 0.1847



26.3038, 0.3358, 0.2377



10.6431, 0.3089, 0.3059



6.0927, 0.2436, 0.1116



0.3258, 0.2602, 0.1207

Inverse Universe

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



24.7438, 0.3929, 0.2922



36.6098, 0.4209, 0.2852



45.1299, 0.2964, 0.4426



10.6909, 0.3241, 0.3218



8.0489, 0.5689, 0.2908



0.3943, 0.5086, 0.2575

Previews

White Background



This preview shows how the Yxy color 23.5605, 0.2877, 0.2102 looks on a white background.

Color Contrast Check

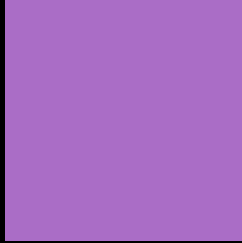
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5605, 0.2877, 0.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

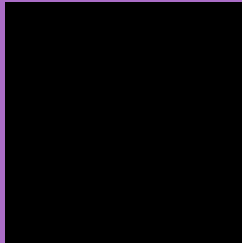
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5605, 0.2877, 0.2102

Background



This preview shows how black text looks on a background with the Yxy color 23.5605, 0.2877, 0.2102.



This preview shows how white text looks on a background with the Yxy color 23.5605, 0.2877, 0.2102.

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

23.5605, 0.2877, 0.2102

Protanopia

23.9517, 0.2181, 0.2017

Deuteranopia

23.6678, 0.2390, 0.2327



Tritanopia

23.5823, 0.3463, 0.3149

Trichromacy



Original Color

23.5605, 0.2877, 0.2102

Protanomaly

23.1790, 0.2376, 0.2027

Deuteranomaly

23.2610, 0.2542, 0.2225

Tritanomaly

23.5205, 0.3237, 0.2720

Monochromacy



Original Color

23.5605, 0.2877, 0.2102

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.0715, 0.3038, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5605, 0.2877, 0.2102 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(170, 109, 198)` looks like.

```
.text, #text, p{  
    color:rgb(170, 109, 198)  
}
```

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(170, 109, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 109, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.5605, 0.2877, 0.2102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

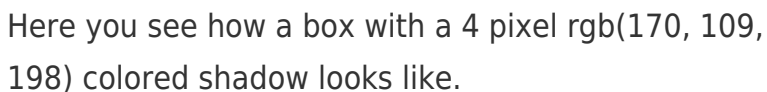
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 109, 198) }
```

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

```
.border{ border-color:rgb(170, 109, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 109, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 109, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 109, 198); box-shadow:4px 4px 4px 4px rgb(170, 109, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5605, 0.2877, 0.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 109, 198) }
```

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

```
.background{ background-color: rgb(170,  
109, 198) }
```

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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