

Converting Colors

$Y_{xy}(23.3149, 0.3160, 0.2561)$

Have a look what the booklet for
Yxy(23.3149, 0.3160, 0.2561)
contains.

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Color

Yxy(23.3509, 0.3161, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	A674A6
RGB	166, 116, 166
RGB Percent	65%, 45%, 65%
CMY	0.3492, 0.5450, 0.3491
CMYK	0.00, 0.30, 0.00, 0.35
HSL	300°, 22%, 55%
HSV	300°, 30%, 65%
XYZ	28.8442, 23.3509, 39.0550
YIQ	136.6500, 13.7500, 26.1500

Conversions

Conversions Part 2

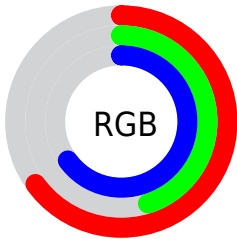
Format	Color
RYB	166, 116, 166
Decimal	10908838
CIELab	55.43, 28.11, -18.94
CIELCh	55, 33.895, 326.020
Yxy	23.3509, 0.3161, 0.2559
Android (android.graphics.Color)	4289098918 (0xFFA674A6)
YUV	136.6500, 14.4695, 25.7399
Hunter-Lab	48.3228, 21.9829, -14.0930

Details

The Yxy color **23.3509, 0.3161, 0.2559** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.2461, 0.3087, 0.4148**, and the grayscale version is **24.8179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1260, 0.3163, 0.2709**, and **8.7399, 0.3155, 0.2326** is the 20% darker color. If you saturate the color by 10%, you get **19.8584, 0.3172, 0.2325**, and if you desaturate by 10%, it is **27.5292, 0.3150, 0.2803**.

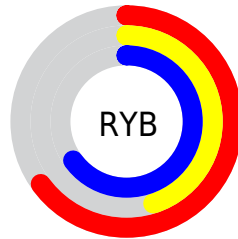
Distribution



Red (65%)

Green (45%)

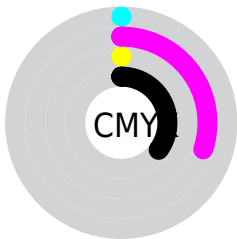
Blue (65%)



Red (65%)

Yellow (45%)

Blue (65%)

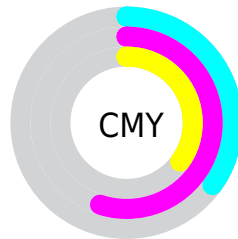


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3509, 0.3161, 0.2559 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 23.3509, 0.3161, 0.2559 by changing the saturation by 10% instead.


 23.3509, 0.3161,
0.2559


 23.3509, 0.3161,
0.2559


269.5222, 0.3151,
0.2944


 14.8528, 0.3161,
0.2457


 48.9689, 0.3159,
0.2703

 8.7162, 0.3158,
0.2322


 66.8575, 0.3158,
0.2756

 4.5565, 0.3150,
0.2137


 88.6452, 0.3157,
0.2800

 1.9895, 0.3128,
0.1869

114.7163, 0.3155,
0.2838

 0.6014, 0.3087,
0.1396

145.4551, 0.3154,
0.2870

 0.0000, 0.2098,
0.0000

181.2461, 0.3153,

 0.0000, 0.0000,

0.2898

0.0000

222.4737, 0.3152,
0.2922

■ 23.3509, 0.3161,
0.2559

■ 23.3509, 0.3161,
0.2559

■ 19.8584, 0.3172,
0.2325

■ 27.5292, 0.3150,
0.2803

■ 17.0123, 0.3182,
0.2109

■ 32.4239, 0.3138,
0.3048

■ 14.7737, 0.3190,
0.1920


■ 38.0676, 0.3127,
0.3288


■ 13.0985, 0.3197,
0.1766


■ 44.4899, 0.3117,
0.3517

■ 11.9366, 0.3202,
0.1653

■ 51.7187, 0.3107,
0.3733


 11.2291, 0.3206,
0.1581

 59.7806, 0.3097,
0.3933

 10.8439, 0.3207,
0.1540

 68.7012, 0.3089,
0.4118

 78.5046, 0.3081,
0.4285

 82.3861, 0.3078,
0.4344

Harmonies

Analogous

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



23.3509, 0.2602, 0.2376



23.3509, 0.3161, 0.2559



23.3509, 0.3764, 0.2897

Triad

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



23.3509, 0.3161, 0.2559



23.3509, 0.4072, 0.4187



23.3509, 0.2154, 0.3098

Complementary

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



23.3509, 0.3161, 0.2559



32.2461, 0.3087, 0.4148

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.



23.3509, 0.2485, 0.3706



23.3509, 0.3161, 0.2559



23.3509, 0.3588, 0.4379

Square

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



23.3509, 0.3161, 0.2559



23.3509, 0.4311, 0.3792



23.3509, 0.3006, 0.4214



23.3509, 0.2066, 0.2630

Rectangle

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



23.3509, 0.3161, 0.2559



23.3509, 0.4087, 0.3180



23.3509, 0.3006, 0.4214



23.3509, 0.2238, 0.3294

Sweetspot

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



23.3519, 0.3161, 0.2559



59.7506, 0.3137, 0.3071



19.1590, 0.2610, 0.2447



13.0687, 0.3139, 0.3036



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3519, 0.3161, 0.2559



38.0852, 0.3168, 0.2403



22.5518, 0.3447, 0.2896



7.6663, 0.3137, 0.3067



8.4108, 0.3207, 0.1540



0.2047, 0.3208, 0.1541

Inverse Universe

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



21.8662, 0.3782, 0.3291



34.9554, 0.3991, 0.3292



32.8803, 0.2896, 0.3722



7.5424, 0.3285, 0.3290



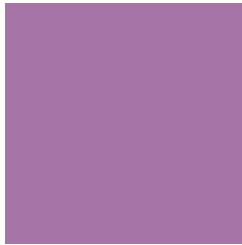
6.2868, 0.6400, 0.3299



0.1530, 0.6395, 0.3296

Previews

White Background



This preview shows how the Yxy color 23.3509, 0.3161, 0.2559 looks on a white background.

Color Contrast Check

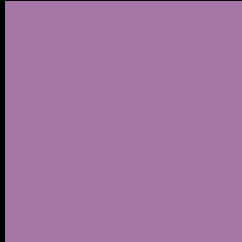
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3509, 0.3161, 0.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

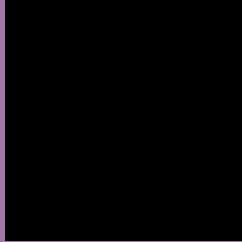
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3509, 0.3161, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 23.3509, 0.3161, 0.2559.



This preview shows how white text looks on a background with the Yxy color 23.3509, 0.3161, 0.2559.

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

23.3509, 0.3161, 0.2559

Protanopia

23.4000, 0.2585, 0.2542

Deuteranopia

23.4349, 0.2808, 0.2747



Tritanopia

23.4089, 0.3490, 0.3149

Trichromacy



Original Color

23.3509, 0.3161, 0.2559

Protanomaly

23.2572, 0.2774, 0.2548

Deuteranomaly

23.2769, 0.2932, 0.2673

Tritanomaly

23.2331, 0.3376, 0.2921

Monochromacy



Original Color

23.3509, 0.3161, 0.2559

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1345, 0.3142, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3509, 0.3161, 0.2559 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(166, 116, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 166)  
}
```

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(166, 116, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.3509, 0.3161, 0.2559 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(166, 116, 166) }
```

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

```
.border{ border-color:rgb(166, 116, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 116, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3509, 0.3161, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 166) }
```

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

```
.background{ background-color: rgb(166,  
116, 166) }
```

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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