

Converting Colors

$Y_{xy}(20.3228, 0.3297, 0.2372)$

Have a look what the booklet for
Yxy(20.3228, 0.3297, 0.2372)
contains.

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Color

Yxy(20.2639, 0.3298, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	AD62A3
RGB	173, 98, 163
RGB Percent	68%, 38%, 64%
CMY	0.3216, 0.6157, 0.3609
CMYK	0.00, 0.43, 0.06, 0.32
HSL	308°, 31%, 53%
HSV	308°, 43%, 68%
XYZ	28.2104, 20.2639, 37.0635
YIQ	127.8350, 23.8350, 36.1150

Conversions

Conversions Part 2

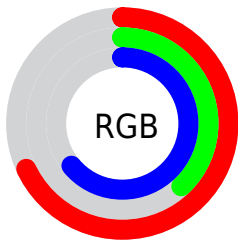
Format	Color
R_{YB}	173, 98, 163
Decimal	11362979
CIE _{Lab}	52.13, 39.84, -22.17
CIE _{LCh}	52, 45.595, 330.904
Yxy	20.2639, 0.3298, 0.2369
Android (android.graphics.Color)	4289553059 (0xFFAD62A3)
YUV	127.8350, 17.3363, 39.6097
Hunter-Lab	45.0154, 33.0857, -17.3057

Details

The Yxy color $20.2639, 0.3298, 0.2369$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.5680, 0.2996, 0.4432$, and the grayscale version is $21.4596, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0182, 0.3272, 0.2556$, and $7.1835, 0.3340, 0.2080$ is the 20% darker color. If you saturate the color by 10%, you get $17.2873, 0.3347, 0.2179$, and if you desaturate by 10%, it is $23.9435, 0.3252, 0.2577$.

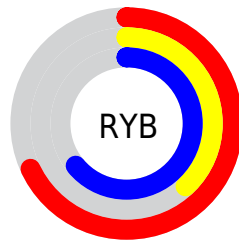
Distribution



Red (68%)

Green (38%)

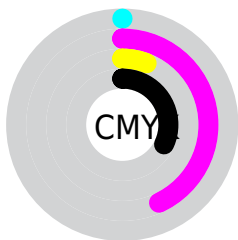
Blue (64%)



Red (68%)

Yellow (38%)

Blue (64%)

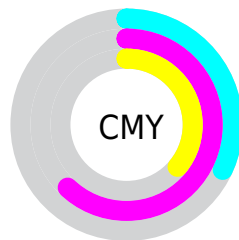


Cyan (0%)

Magenta (43%)

Yellow (6%)

Black (32%)



Cyan (32%)


Magenta (62%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2639, 0.3298, 0.2369 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 20.2639, 0.3298, 0.2369 by changing the saturation by 10% instead.


 20.2639, 0.3298,
0.2369


 20.2639, 0.3298,
0.2369

253.3402, 0.3217,
0.2854


 12.5870, 0.3316,
0.2241


 43.8592, 0.3270,
0.2551


 7.1448, 0.3336,
0.2072


 60.5464, 0.3259,
0.2617

 3.5528, 0.3359,
0.1843


 81.0058, 0.3250,
0.2673

 1.4267, 0.3378,
0.1516

 105.6219, 0.3241,
0.2720

 0.2363, 0.3507,
0.0663

134.7789, 0.3234,
0.2761

 0.0000, 0.1941,
0.0000

168.8614, 0.3228,

 0.0000, 0.0000,

0.2796

0.0000

208.2537, 0.3222,
0.2827

■ 20.2639, 0.3298,
0.2369

■ 20.2639, 0.3298,
0.2369

■ 17.2873, 0.3347,
0.2179

■ 23.9435, 0.3252,
0.2577

■ 14.9655, 0.3398,
0.2015

■ 28.3648, 0.3209,
0.2793

■ 13.2484, 0.3449,
0.1887

■ 33.5670, 0.3171,
0.3009

■ 12.0777, 0.3499,
0.1800

■ 39.5857, 0.3138,
0.3221

■ 11.3833, 0.3546,
0.1757

■ 46.4543, 0.3108,
0.3424

■ 11.0823, 0.3576,
0.1744

■ 54.2043, 0.3082,
0.3614

■ 62.8657, 0.3061,
0.3791

■ 72.4670, 0.3042,
0.3955

■ 83.0355, 0.3026,
0.4105

Harmonies

Analogous

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



20.2639, 0.2505, 0.2094



20.2639, 0.3298, 0.2369



20.2639, 0.4146, 0.2829

Triad

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



20.2639, 0.3298, 0.2369



20.2639, 0.4302, 0.4560



20.2639, 0.1770, 0.2859

Complementary

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



20.2639, 0.3298, 0.2369



33.5680, 0.2996, 0.4432

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.



20.2639, 0.2136, 0.3729



20.2639, 0.3298, 0.2369



20.2639, 0.3589, 0.4845

Square

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



20.2639, 0.3298, 0.2369



20.2639, 0.4736, 0.4005



20.2639, 0.2796, 0.4556



20.2639, 0.1720, 0.2290

Rectangle

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



20.2639, 0.3298, 0.2369



20.2639, 0.4569, 0.3202



20.2639, 0.2796, 0.4556



20.2639, 0.1856, 0.3124

Sweetspot

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



20.2648, 0.3298, 0.2369



60.2376, 0.3171, 0.3012



14.9428, 0.2429, 0.2006



12.6289, 0.3179, 0.2966



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.2648, 0.3298, 0.2369



31.1694, 0.3345, 0.2187



19.1149, 0.3817, 0.2880



8.1294, 0.3157, 0.3096



8.1476, 0.3572, 0.1741



0.2317, 0.3447, 0.1673

Inverse Universe

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



20.2648, 0.3298, 0.2369



31.1694, 0.3345, 0.2187



34.5445, 0.2731, 0.3754



8.1294, 0.3157, 0.3096



8.1476, 0.3572, 0.1741



0.2317, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 20.2639, 0.3298, 0.2369 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 20.2639, 0.3298, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

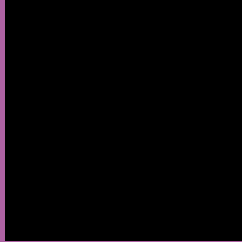
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2639, 0.3298, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 20.2639, 0.3298, 0.2369.



This preview shows how white text looks on a background with the Yxy color 20.2639, 0.3298, 0.2369.

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

20.2639, 0.3298, 0.2369

Protanopia

20.5466, 0.2399, 0.2309

Deuteranopia

20.3442, 0.2712, 0.2649



Tritanopia

20.2016, 0.3833, 0.3167

Trichromacy



Original Color

20.2639, 0.3298, 0.2369

Protanomaly

19.8756, 0.2669, 0.2311

Deuteranomaly

19.8373, 0.2913, 0.2523

Tritanomaly

20.0291, 0.3635, 0.2850

Monochromacy



Original Color

20.2639, 0.3298, 0.2369

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.5750, 0.3183, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2639, 0.3298, 0.2369 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(173, 98, 163)` looks like.

```
.text, #text, p{  
    color:rgb(173, 98, 163)  
}
```

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(173, 98, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 98, 163) }
```

Border

The CSS property to change the border of an element to Yxy 20.2639, 0.3298, 0.2369 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(173, 98, 163) }
```

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

```
.border{ border-color:rgb(173, 98, 163) }
```

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

Here you see how a box with a 4 pixel rgb(173, 98, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 98, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 98, 163);  
box-shadow:4px 4px 4px 4px rgb(173, 98,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2639, 0.3298, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 98, 163) }
```

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

```
.background{ background-color: rgb(173, 98,  
163) }
```

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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