

Converting Colors

$Y_{xy}(20.2036, 0.3173, 0.2311)$

Have a look what the booklet for
Yxy(20.2036, 0.3173, 0.2311)
contains.

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Color

Yxy(20.2663, 0.3173, 0.2315)

Conversions

Conversions Part 1

Format	Color
Hex	A864A8
RGB	168, 100, 168
RGB Percent	66%, 39%, 66%
CMY	0.3411, 0.6079, 0.3411
CMYK	0.00, 0.40, 0.00, 0.34
HSL	300°, 28%, 53%
HSV	300°, 40%, 66%
XYZ	27.7775, 20.2663, 39.4996
YIQ	128.0840, 18.7000, 35.5640

Conversions

Conversions Part 2

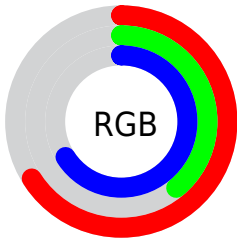
Format	Color
R_{YB}	168, 100, 168
Decimal	11035816
CIE _{Lab}	52.14, 38.12, -25.16
CIE _{LCh}	52, 45.672, 326.569
Yxy	20.2663, 0.3173, 0.2315
Android (android.graphics.Color)	4289225896 (0xFFA864A8)
YUV	128.0840, 19.6786, 35.0063
Hunter-Lab	45.0181, 31.3582, -20.5093

Details

The Yxy color $20.2663, 0.3173, 0.2315$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.6418, 0.3070, 0.4505$, and the grayscale version is $21.5430, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6315, 0.3173, 0.2504$, and $7.1196, 0.3150, 0.1997$ is the 20% darker color. If you saturate the color by 10%, you get $17.3700, 0.3183, 0.2100$, and if you desaturate by 10%, it is $23.8290, 0.3162, 0.2549$.

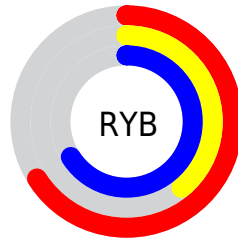
Distribution



Red (66%)

Green (39%)

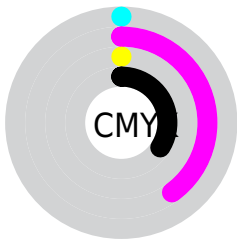
Blue (66%)



Red (66%)

Yellow (39%)

Blue (66%)

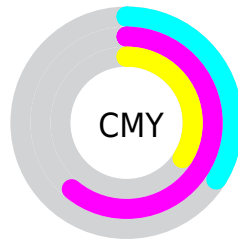


Cyan (0%)

Magenta (40%)

Yellow (0%)

Black (34%)



Cyan (34%)


Magenta (61%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2663, 0.3173, 0.2315 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 20.2663, 0.3173, 0.2315 by changing the saturation by 10% instead.


 20.2663, 0.3173,
0.2315


 20.2663, 0.3173,
0.2315


253.3531, 0.3163,
0.2826


 12.5888, 0.3170,
0.2181


 43.8632, 0.3173,
0.2506

 7.1460, 0.3162,
0.2006


 60.5514, 0.3172,
0.2576

 3.5536, 0.3142,
0.1768


 81.0119, 0.3170,
0.2635

 1.4271, 0.3095,
0.1434

 105.6291, 0.3169,
0.2685

 0.2366, 0.3083,
0.0610

134.7874, 0.3167,
0.2728

 0.0000, 0.1127,
0.0000

168.8713, 0.3166,

 0.0000, 0.0000,

0.2765

0.0000

208.2651, 0.3164,
0.2798

■ 20.2663, 0.3173,
0.2315

■ 20.2663, 0.3173,
0.2315

■ 17.3700, 0.3183,
0.2100

■ 23.8290, 0.3162,
0.2549

■ 15.0963, 0.3192,
0.1913

■ 28.0931, 0.3151,
0.2793

■ 13.4003, 0.3199,
0.1761


■ 33.0944, 0.3139,
0.3038

■ 12.2301, 0.3204,
0.1649

■ 38.8652, 0.3128,
0.3278

■ 11.5244, 0.3208,
0.1579


■ 45.4363, 0.3117,
0.3509

 11.1543, 0.3209,
0.1542

 52.8365, 0.3107,
0.3725

 61.0933, 0.3097,
0.3926

 70.2328, 0.3089,
0.4111

 80.2803, 0.3081,
0.4280

Harmonies

Analogous

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



20.2663, 0.2409, 0.2071



20.2663, 0.3173, 0.2315



20.2663, 0.4035, 0.2753

Triad

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



20.2663, 0.3173, 0.2315



20.2663, 0.4389, 0.4491



20.2663, 0.1801, 0.2969

Complementary

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



20.2663, 0.3173, 0.2315



31.6418, 0.3070, 0.4505

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.



20.2663, 0.2214, 0.3865



20.2663, 0.3173, 0.2315



20.2663, 0.3703, 0.4836

Square

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



20.2663, 0.3173, 0.2315



20.2663, 0.4766, 0.3919



20.2663, 0.2907, 0.4641



20.2663, 0.1707, 0.2350

Rectangle

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



20.2663, 0.3173, 0.2315



20.2663, 0.4496, 0.3118



20.2663, 0.2907, 0.4641



20.2663, 0.1903, 0.3249

Sweetspot

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



20.2672, 0.3173, 0.2315



58.3696, 0.3141, 0.2996



14.6491, 0.2394, 0.2077



12.4694, 0.3142, 0.2966



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.



20.2672, 0.3173, 0.2315



31.7900, 0.3183, 0.2112



19.1609, 0.3619, 0.2773



7.6666, 0.3138, 0.3067



8.4210, 0.3209, 0.1542



0.2049, 0.3209, 0.1542

Inverse Universe

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



20.2672, 0.3173, 0.2315



31.7900, 0.3183, 0.2112



32.4431, 0.2819, 0.3882



7.6666, 0.3138, 0.3067



8.4210, 0.3209, 0.1542



0.2049, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.2663, 0.3173, 0.2315 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 20.2663, 0.3173, 0.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

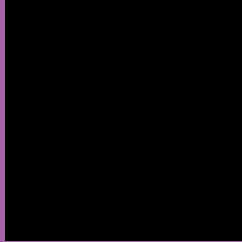
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2663, 0.3173, 0.2315

Background



This preview shows how black text looks on a background with the Yxy color 20.2663, 0.3173, 0.2315.



This preview shows how white text looks on a background with the Yxy color 20.2663, 0.3173, 0.2315.

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

20.2663, 0.3173, 0.2315

Protanopia

20.5947, 0.2356, 0.2253

Deuteranopia

20.5593, 0.2639, 0.2585



Tritanopia

20.3822, 0.3712, 0.3164

Trichromacy



Original Color

20.2663, 0.3173, 0.2315

Protanomaly

20.0282, 0.2606, 0.2267

Deuteranomaly

20.1290, 0.2818, 0.2475

Tritanomaly

20.2140, 0.3506, 0.2825

Monochromacy



Original Color

20.2663, 0.3173, 0.2315

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.7797, 0.3147, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2663, 0.3173, 0.2315 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(168, 100, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 100, 168)  
}
```

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(168, 100, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 100, 168) }
```

Border

The CSS property to change the border of an element to Yxy 20.2663, 0.3173, 0.2315 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(168, 100, 168) }
```

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

```
.border{ border-color:rgb(168, 100, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 100, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 100, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 100, 168); box-shadow:4px 4px 4px 4px rgb(168, 100, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2663, 0.3173, 0.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 100, 168) }
```

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

```
.background{ background-color: rgb(168,  
100, 168) }
```

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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