

Converting Colors

$Y_{xy}(20.6751, 0.3630, 0.2918)$

Have a look what the booklet for
Yxy(20.6751, 0.3630, 0.2918)
contains.

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Color

Yxy(20.7159, 0.3623, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	A86C84
RGB	168, 108, 132
RGB Percent	66%, 42%, 52%
CMY	0.3412, 0.5765, 0.4823
CMYK	0.00, 0.36, 0.21, 0.34
HSL	336°, 26%, 54%
HSV	336°, 36%, 66%
XYZ	25.6769, 20.7159, 24.4792
YIQ	128.6760, 28.0560, 20.1840

Conversions

Conversions Part 2

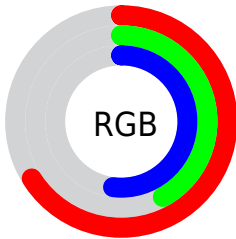
Format	Color
R_{YB}	168, 108, 132
Decimal	11037828
CIE _{Lab}	52.64, 27.38, -3.27
CIE _{LCh}	53, 27.570, 353.184
Yxy	20.7159, 0.3623, 0.2923
Android (android.graphics.Color)	4289227908 (0xFFA86C84)
YUV	128.6760, 1.6387, 34.4871
Hunter-Lab	45.5147, 21.0493, -0.0277

Details

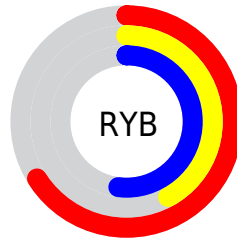
The Yxy color $20.7159, 0.3623, 0.2923$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $33.2080, 0.2806, 0.3694$, and the grayscale version is $21.8214, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4917, 0.3511, 0.3000$, and $7.3973, 0.3823, 0.2774$ is the 20% darker color. If you saturate the color by 10%, you get $17.2453, 0.3829, 0.2820$, and if you desaturate by 10%, it is $24.8979, 0.3449, 0.3030$.

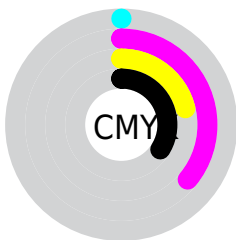
Distribution



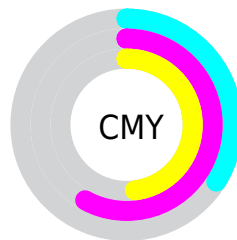
- Red (66%)
- Green (42%)
- Blue (52%)



- Red (66%)
- Yellow (42%)
- Blue (52%)



- Cyan (0%)
- Magenta (36%)
- Yellow (21%)
- Black (34%)





- Cyan (34%)
- Magenta (58%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7159, 0.3623, 0.2923 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 20.7159, 0.3623, 0.2923 by changing the saturation by 10% instead.


 20.7159, 0.3623,
0.2923


 20.7159, 0.3623,
0.2923


255.7648, 0.3344,
0.3127


 12.9165, 0.3706,
0.2864


 44.6142, 0.3513,
0.3003

 7.3711, 0.3821,
0.2782


 61.4819, 0.3474,
0.3031

 3.6952, 0.3993,
0.2661

 82.1412, 0.3443,
0.3054

 1.5046, 0.4277,
0.2467

 106.9764, 0.3416,
0.3074

 0.2919, 0.5312,
0.1632

136.3720, 0.3394,
0.3090

 0.0000, 0.0000,
0.0000

170.7123, 0.3375,

0.3104

210.3818, 0.3358,
0.3117

■ 20.7159, 0.3623,
0.2923

■ 20.7159, 0.3623,
0.2923

■ 17.2453, 0.3829,
0.2820

■ 24.8979, 0.3449,
0.3030

■ 14.4431, 0.4070,
0.2729

■ 29.8254, 0.3305,
0.3135

■ 12.2661, 0.4343,
0.2660


■ 35.5337, 0.3186,
0.3235

■ 10.6648, 0.4639,
0.2624


■ 42.0550, 0.3087,
0.3330


■ 9.5820, 0.4944,
0.2634


■ 49.4197, 0.3007,
0.3417


 8.9435, 0.5237,
0.2695

 57.6566, 0.2940,
0.3498

 8.7332, 0.5360,
0.2727

 66.7931, 0.2885,
0.3571

 76.8555, 0.2840,
0.3639

 85.1572, 0.2798,
0.3656

Harmonies

Analogous

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



20.7159, 0.3111, 0.2638



20.7159, 0.3623, 0.2923



20.7159, 0.4011, 0.3298

Triad

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



20.7159, 0.3623, 0.2923



20.7159, 0.3573, 0.4205



20.7159, 0.2211, 0.2763

Complementary

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



20.7159, 0.3623, 0.2923



33.2080, 0.2806, 0.3694

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.



20.7159, 0.2311, 0.3181



20.7159, 0.3623, 0.2923



20.7159, 0.3078, 0.4087

Square

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



20.7159, 0.3623, 0.2923



20.7159, 0.3966, 0.4037



20.7159, 0.2620, 0.3688



20.7159, 0.2326, 0.2530

Rectangle

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



20.7159, 0.3623, 0.2923



20.7159, 0.4128, 0.3566



20.7159, 0.2620, 0.3688



20.7159, 0.2220, 0.2885

Sweetspot

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



20.7169, 0.3623, 0.2923



58.6158, 0.3248, 0.3181



19.3925, 0.2873, 0.2345



12.4900, 0.3264, 0.3168



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.



20.7169, 0.3623, 0.2923



32.4090, 0.3787, 0.2839



21.2185, 0.3933, 0.3370



7.5902, 0.3226, 0.3200



6.6043, 0.5335, 0.2713



0.1708, 0.4483, 0.2243

Inverse Universe

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



20.7169, 0.3623, 0.2923



32.4090, 0.3787, 0.2839



32.2110, 0.2624, 0.3207



7.5902, 0.3226, 0.3200



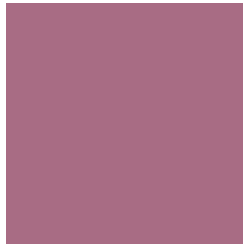
6.6043, 0.5335, 0.2713



0.1708, 0.4483, 0.2243

Previews

White Background



This preview shows how the Yxy color 20.7159, 0.3623, 0.2923 looks on a white background.

Color Contrast Check

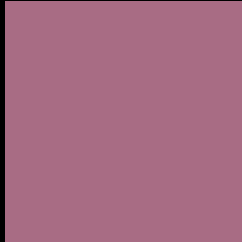
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7159, 0.3623, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

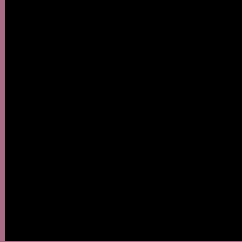
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7159, 0.3623, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 20.7159, 0.3623, 0.2923.



This preview shows how white text looks on a background with the Yxy color 20.7159, 0.3623, 0.2923.

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

20.7159, 0.3623, 0.2923

Protanopia

20.8614, 0.2912, 0.2969

Deuteranopia

20.8224, 0.3231, 0.3168



Tritanopia

20.6993, 0.3782, 0.3152

Trichromacy



Original Color

20.7159, 0.3623, 0.2923

Protanomaly

20.5467, 0.3143, 0.2948

Deuteranomaly

20.6302, 0.3366, 0.3073

Tritanomaly

20.6080, 0.3717, 0.3059

Monochromacy



Original Color

20.7159, 0.3623, 0.2923

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.1261, 0.3295, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7159, 0.3623, 0.2923 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, 108, 132)` looks like.

```
.text, #text, p{  
    color:rgb(168, 108, 132)  
}
```

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, 108, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 108, 132) }
```

Border

The CSS property to change the border of an element to Yxy 20.7159, 0.3623, 0.2923 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, 108, 132) }
```

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

```
.border{ border-color:rgb(168, 108, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 108, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 108, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 108, 132);  
box-shadow:4px 4px 4px 4px rgb(168, 108,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7159, 0.3623, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 108, 132) }
```

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

```
.background{ background-color: rgb(168,  
108, 132) }
```

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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