

Converting Colors

$Y_{xy}(20.7293, 0.3571, 0.2781)$

Have a look what the booklet for
Yxy(20.7293, 0.3571, 0.2781)
contains.

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Color

Yxy(20.6252, 0.3575, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	AB698B
RGB	171, 105, 139
RGB Percent	67%, 41%, 55%
CMY	0.3295, 0.5882, 0.4549
CMYK	0.00, 0.39, 0.19, 0.33
HSL	329°, 28%, 54%
HSV	329°, 39%, 67%
XYZ	26.5043, 20.6252, 27.0085
YIQ	128.6100, 28.4220, 24.5660

Conversions

Conversions Part 2

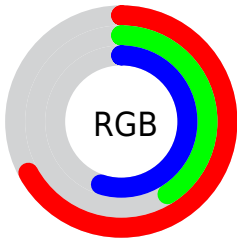
Format	Color
R_{YB}	171, 105, 139
Decimal	11233675
CIE Lab	52.54, 31.24, -7.50
CIE LCh	53, 32.130, 346.507
Yxy	20.6252, 0.3575, 0.2782
Android (android.graphics.Color)	4289423755 (0xFFAB698B)
YUV	128.6100, 5.1223, 37.1760
Hunter-Lab	45.4150, 24.6970, -3.4695

Details

The Yxy color $20.6252, 0.3575, 0.2782$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.9321, 0.2838, 0.3867$, and the grayscale version is $21.7847, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.4137, 0.3487, 0.2892$, and $7.3315, 0.3743, 0.2600$ is the 20% darker color. If you saturate the color by 10%, you get $17.2525, 0.3745, 0.2653$, and if you desaturate by 10%, it is $24.7185, 0.3429, 0.2917$.

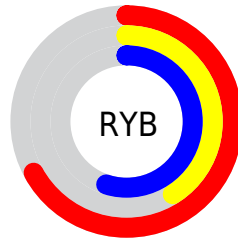
Distribution



Red (67%)

Green (41%)

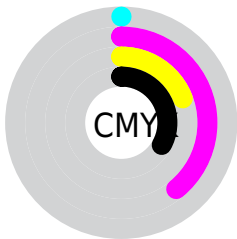
Blue (55%)



Red (67%)

Yellow (41%)

Blue (55%)

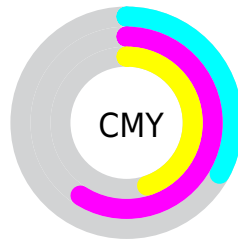


Cyan (0%)

Magenta (39%)

Yellow (19%)

Black (33%)



Cyan (33%)


Magenta (59%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6252, 0.3575, 0.2782 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 20.6252, 0.3575, 0.2782 by changing the saturation by 10% instead.

 20.6252, 0.3575,
0.2782


 20.6252, 0.3575,
0.2782

255.2799, 0.3326,
0.3060


 12.8503, 0.3647,
0.2703


 44.4629, 0.3478,
0.2890

 7.3256, 0.3747,
0.2596


 61.2945, 0.3443,
0.2928

 3.6665, 0.3893,
0.2442

 81.9139, 0.3415,
0.2960

 1.4888, 0.4128,
0.2202

 106.7053, 0.3391,
0.2986

 0.2808, 0.4845,
0.1303

136.0532, 0.3371,
0.3009

 0.0000, 0.0000,
0.0000

170.3420, 0.3354,

0.3028

209.9561, 0.3339,
0.3045

■ 20.6252, 0.3575,
0.2782

■ 20.6252, 0.3575,
0.2782

■ 17.2525, 0.3745,
0.2653

■ 24.7185, 0.3429,
0.2917

■ 14.5549, 0.3940,
0.2540

■ 29.5687, 0.3305,
0.3052

■ 12.4863, 0.4155,
0.2454


■ 35.2129, 0.3202,
0.3183

■ 10.9932, 0.4386,
0.2406


■ 41.6850, 0.3116,
0.3307


■ 10.0133, 0.4620,
0.2408

■ 49.0171, 0.3045,
0.3423

 9.4347, 0.4851,
0.2456

 57.2392, 0.2986,
0.3530

 9.3626, 0.4884,
0.2464

 66.3801, 0.2937,
0.3629

 76.4674, 0.2896,
0.3719

 85.0123, 0.2860,
0.3761

Harmonies

Analogous

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



20.6252, 0.2973, 0.2490



20.6252, 0.3575, 0.2782



20.6252, 0.4082, 0.3189

Triad

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



20.6252, 0.3575, 0.2782



20.6252, 0.3753, 0.4338



20.6252, 0.2078, 0.2762

Complementary

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



20.6252, 0.3575, 0.2782



33.9321, 0.2838, 0.3867

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.



20.6252, 0.2244, 0.3285



20.6252, 0.3575, 0.2782



20.6252, 0.3191, 0.4296

Square

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



20.6252, 0.3575, 0.2782



20.6252, 0.4169, 0.4068



20.6252, 0.2640, 0.3885



20.6252, 0.2156, 0.2450

Rectangle

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



20.6252, 0.3575, 0.2782



20.6252, 0.4268, 0.3492



20.6252, 0.2640, 0.3885



20.6252, 0.2106, 0.2916

Sweetspot

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



20.6262, 0.3575, 0.2782



59.2389, 0.3237, 0.3136



18.3553, 0.2771, 0.2240



12.9251, 0.3250, 0.3120



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.



20.6262, 0.3575, 0.2782



31.8832, 0.3713, 0.2675



19.8051, 0.4045, 0.3276



8.0816, 0.3209, 0.3174



7.0697, 0.4863, 0.2452



0.2077, 0.4237, 0.2108

Inverse Universe

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



20.6262, 0.3575, 0.2782



31.8832, 0.3713, 0.2675



35.0239, 0.2608, 0.3306



8.0816, 0.3209, 0.3174



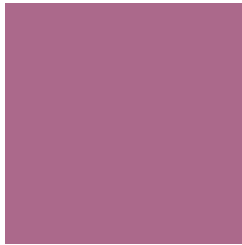
7.0697, 0.4863, 0.2452



0.2077, 0.4237, 0.2108

Previews

White Background



This preview shows how the Yxy color 20.6252, 0.3575, 0.2782 looks on a white background.

Color Contrast Check

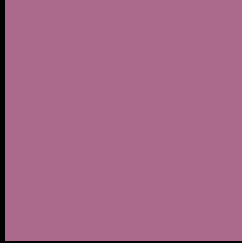
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6252, 0.3575, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

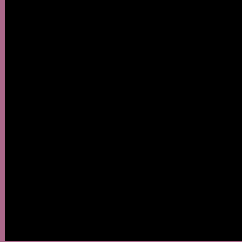
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6252, 0.3575, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 20.6252, 0.3575, 0.2782.



This preview shows how white text looks on a background with the Yxy color 20.6252, 0.3575, 0.2782.

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

20.6252, 0.3575, 0.2782

Protanopia

20.9273, 0.2791, 0.2816

Deuteranopia

20.6832, 0.3102, 0.3045



Tritanopia

20.6566, 0.3841, 0.3168

Trichromacy



Original Color

20.6252, 0.3575, 0.2782

Protanomaly

20.5524, 0.3053, 0.2803

Deuteranomaly

20.5000, 0.3269, 0.2941

Tritanomaly

20.7518, 0.3746, 0.3032

Monochromacy



Original Color

20.6252, 0.3575, 0.2782

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0557, 0.3274, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6252, 0.3575, 0.2782 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(171, 105, 139)` looks like.

```
.text, #text, p{  
    color:rgb(171, 105, 139)  
}
```

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(171, 105, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 105, 139) }
```

Border

The CSS property to change the border of an element to Yxy 20.6252, 0.3575, 0.2782 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(171, 105, 139) }
```

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

```
.border{ border-color:rgb(171, 105, 139) }
```

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

Here you see how a box with a 4 pixel rgb(171, 105, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 105, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 105, 139);  
box-shadow:4px 4px 4px 4px rgb(171, 105,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6252, 0.3575, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 105, 139) }
```

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

```
.background{ background-color: rgb(171,  
105, 139) }
```

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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