

Converting Colors

$Y_{xy}(20.8962, 0.3664, 0.2755)$

Have a look what the booklet for
Yxy(20.8962, 0.3664, 0.2755)
contains.

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Color

Yxy(20.8318, 0.3674, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	B2668B
RGB	178, 102, 139
RGB Percent	70%, 40%, 55%
CMY	0.3020, 0.6000, 0.4549
CMYK	0.00, 0.43, 0.22, 0.30
HSL	331°, 33%, 55%
HSV	331°, 43%, 70%
XYZ	27.7707, 20.8318, 26.9846
YIQ	128.9420, 33.4190, 27.6190

Conversions

Conversions Part 2

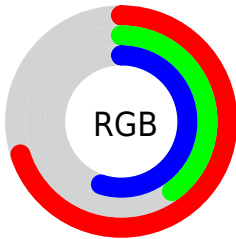
Format	Color
R_{YB}	178, 102, 139
Decimal	11691659
CIE Lab	52.76, 35.38, -7.07
CIE LCh	53, 36.080, 348.705
Yxy	20.8318, 0.3674, 0.2756
Android (android.graphics.Color)	4289881739 (0xFFB2668B)
YUV	128.9420, 4.9586, 43.0239
Hunter-Lab	45.6419, 28.7347, -3.1044

Details

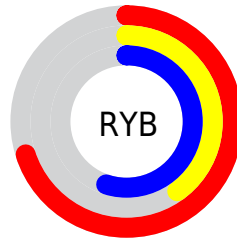
The Yxy color $20.8318, 0.3674, 0.2756$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $36.5865, 0.2798, 0.3906$, and the grayscale version is $21.9060, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.9106, 0.3557, 0.2879$, and $7.3882, 0.3879, 0.2559$ is the 20% darker color. If you saturate the color by 10%, you get $17.4456, 0.3867, 0.2639$, and if you desaturate by 10%, it is $24.9934, 0.3507, 0.2883$.

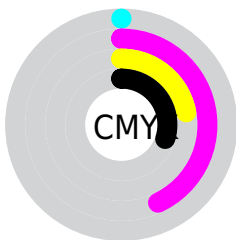
Distribution



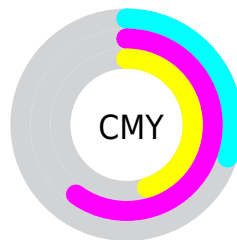
- Red (70%)
- Green (40%)
- Blue (55%)



- Red (70%)
- Yellow (40%)
- Blue (55%)



- Cyan (0%)
- Magenta (43%)
- Yellow (22%)
- Black (30%)





- Cyan (30%)
- Magenta (60%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8318, 0.3674, 0.2756 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 20.8318, 0.3674, 0.2756 by changing the saturation by 10% instead.


 20.8318, 0.3674,
0.2756


 20.8318, 0.3674,
0.2756


256.3833, 0.3370,
0.3048


 13.0011, 0.3762,
0.2674


 44.8074, 0.3555,
0.2869

 7.4293, 0.3884,
0.2562


 61.7212, 0.3513,
0.2909

 3.7320, 0.4062,
0.2402

 82.4314, 0.3478,
0.2942

 1.5248, 0.4348,
0.2154

 107.3224, 0.3450,
0.2970

 0.3061, 0.5132,
0.1315

136.7788, 0.3425,
0.2994

 0.0000, 1.0000,
0.0000

171.1847, 0.3404,

 0.0000, 0.0000,

0.3014

0.0000

210.9248, 0.3386,
0.3032

■ 20.8318, 0.3674,
0.2756

■ 20.8318, 0.3674,
0.2756

■ 17.4456, 0.3867,
0.2639

■ 24.9934, 0.3507,
0.2883

■ 14.7827, 0.4087,
0.2542

■ 29.9722, 0.3366,
0.3012

■ 12.7894, 0.4327,
0.2477


■ 35.8104, 0.3248,
0.3138


■ 11.4030, 0.4579,
0.2455

■ 42.5466, 0.3151,
0.3259


■ 10.5487, 0.4830,
0.2486


■ 50.2169, 0.3069,
0.3372

 10.1468, 0.5009,
0.2533

 58.8555, 0.3002,
0.3477

 68.4947, 0.2947,
0.3573

 79.1655, 0.2901,
0.3662

 86.2155, 0.2859,
0.3668

Harmonies

Analogous

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



20.8318, 0.2999, 0.2426



20.8318, 0.3674, 0.2756



20.8318, 0.4228, 0.3206

Triad

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



20.8318, 0.3674, 0.2756



20.8318, 0.3772, 0.4472



20.8318, 0.1967, 0.2660

Complementary

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



20.8318, 0.3674, 0.2756



36.5865, 0.2798, 0.3906

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.



20.8318, 0.2125, 0.3228



20.8318, 0.3674, 0.2756



20.8318, 0.3142, 0.4408

Square

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



20.8318, 0.3674, 0.2756



20.8318, 0.4257, 0.4173



20.8318, 0.2541, 0.3914



20.8318, 0.2072, 0.2343

Rectangle

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



20.8318, 0.3674, 0.2756



20.8318, 0.4416, 0.3539



20.8318, 0.2541, 0.3914



20.8318, 0.1990, 0.2824

Sweetspot

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



20.8328, 0.3674, 0.2756



64.3380, 0.3254, 0.3132



18.2940, 0.2735, 0.2120



13.7137, 0.3279, 0.3104



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.8328, 0.3674, 0.2756



32.0849, 0.3851, 0.2648



19.9281, 0.4216, 0.3293



8.5719, 0.3213, 0.3180



7.2734, 0.4984, 0.2519



0.2407, 0.4363, 0.2177

Inverse Universe

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



20.8328, 0.3674, 0.2756



32.0849, 0.3851, 0.2648



37.8776, 0.2555, 0.3288



8.5719, 0.3213, 0.3180



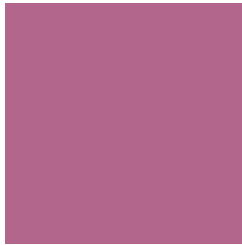
7.2734, 0.4984, 0.2519



0.2407, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 20.8318, 0.3674, 0.2756 looks on a white background.

Color Contrast Check

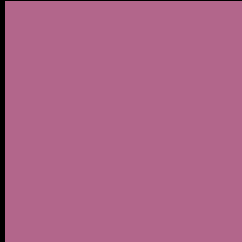
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8318, 0.3674, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

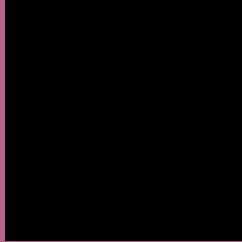
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8318, 0.3674, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 20.8318, 0.3674, 0.2756.



This preview shows how white text looks on a background with the Yxy color 20.8318, 0.3674, 0.2756.

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

20.8318, 0.3674, 0.2756

Protanopia

20.9934, 0.2772, 0.2783

Deuteranopia

21.0661, 0.3137, 0.3081



Tritanopia

20.8672, 0.3958, 0.3173

Trichromacy



Original Color

20.8318, 0.3674, 0.2756

Protanomaly

20.5552, 0.3055, 0.2758

Deuteranomaly

20.6184, 0.3334, 0.2946

Tritanomaly

20.7885, 0.3851, 0.3010

Monochromacy



Original Color

20.8318, 0.3674, 0.2756

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0902, 0.3313, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8318, 0.3674, 0.2756 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(178, 102, 139)` looks like.

```
.text, #text, p{  
    color:rgb(178, 102, 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(178, 102, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 102, 139) }
```

Border

The CSS property to change the border of an element to Yxy 20.8318, 0.3674, 0.2756 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(178, 102, 139) }
```

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

```
.border{ border-color:rgb(178, 102, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 102, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 102, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 102, 139);  
box-shadow:4px 4px 4px 4px rgb(178, 102,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8318, 0.3674, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 102, 139) }
```

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

```
.background{ background-color: rgb(178,  
102, 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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