

Converting Colors

$Y_{xy}(20.3379, 0.3732, 0.2875)$

Have a look what the booklet for
Yxy(20.3379, 0.3732, 0.2875)
contains.

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Color

Yxy(20.3379, 0.3732, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	AE6783
RGB	174, 103, 131
RGB Percent	68%, 40%, 51%
CMY	0.3177, 0.5960, 0.4863
CMYK	0.00, 0.41, 0.25, 0.32
HSL	336°, 30%, 54%
HSV	336°, 41%, 68%
XYZ	26.4004, 20.3379, 24.0023
YIQ	127.4210, 33.3280, 23.7600

Conversions

Conversions Part 2

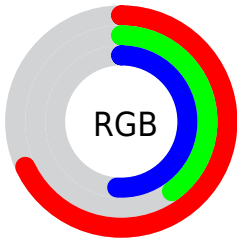
Format	Color
RYB	174, 103, 131
Decimal	11429763
CIELab	52.22, 32.19, -3.20
CIELCh	52, 32.352, 354.322
Yxy	20.3379, 0.3732, 0.2875
Android (android.graphics.Color)	4289619843 (0xFFAE6783)
YUV	127.4210, 1.7644, 40.8498
Hunter-Lab	45.0976, 25.5742, 0.0124

Details

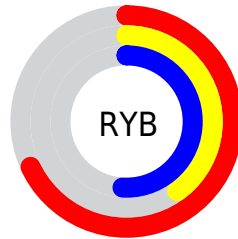
The Yxy color $20.3379, 0.3732, 0.2875$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $35.2288, 0.2764, 0.3756$, and the grayscale version is $21.3617, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.8923, 0.3598, 0.2961$, and $7.2406, 0.3973, 0.2717$ is the 20% darker color. If you saturate the color by 10%, you get $16.9585, 0.3960, 0.2778$, and if you desaturate by 10%, it is $24.4686, 0.3539, 0.2979$.

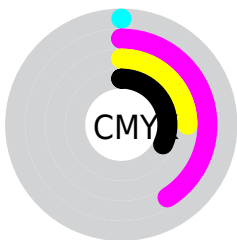
Distribution



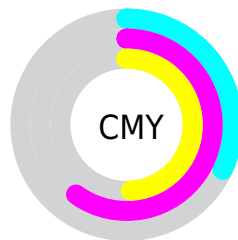
- Red (68%)
- Green (40%)
- Blue (51%)



- Red (68%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (41%)
- Yellow (25%)
- Black (32%)





- Cyan (32%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3379, 0.3732, 0.2875 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 20.3379, 0.3732, 0.2875 by changing the saturation by 10% instead.


 20.3379, 0.3732,
0.2875


 20.3379, 0.3732,
0.2875


253.7385, 0.3391,
0.3106


 12.6409, 0.3833,
0.2808


 43.9830, 0.3597,
0.2966


 7.1817, 0.3975,
0.2715


 60.6998, 0.3550,
0.2998

 3.5760, 0.4186,
0.2578

 81.1921, 0.3511,
0.3024

 1.4393, 0.4534,
0.2358

 105.8442, 0.3479,
0.3046

 0.2454, 0.5835,
0.1388

135.0405, 0.3452,
0.3064

 0.0000, 0.0000,
0.0000

169.1654, 0.3429,

0.3080

208.6033, 0.3408,
0.3094

■ 20.3379, 0.3732,
0.2875

■ 20.3379, 0.3732,
0.2875

■ 16.9585, 0.3960,
0.2778

■ 24.4686, 0.3539,
0.2979

■ 14.2815, 0.4221,
0.2698

■ 29.3895, 0.3378,
0.3084

■ 12.2570, 0.4512,
0.2646


■ 35.1405, 0.3245,
0.3186

■ 10.8269, 0.4820,
0.2635

■ 41.7579, 0.3135,
0.3283

■ 9.9228, 0.5125,
0.2673


■ 49.2757, 0.3045,
0.3372

 9.4221, 0.5391,
0.2744

 57.7263, 0.2971,
0.3455

 67.1402, 0.2910,
0.3531

 77.5467, 0.2859,
0.3601

 86.0010, 0.2814,
0.3616

Harmonies

Analogous

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



20.3379, 0.3126, 0.2544



20.3379, 0.3732, 0.2875



20.3379, 0.4185, 0.3306

Triad

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



20.3379, 0.3732, 0.2875



20.3379, 0.3619, 0.4376



20.3379, 0.2065, 0.2650

Complementary

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



20.3379, 0.3732, 0.2875



35.2288, 0.2764, 0.3756

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.



20.3379, 0.2167, 0.3130



20.3379, 0.3732, 0.2875



20.3379, 0.3039, 0.4234

Square

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



20.3379, 0.3732, 0.2875



20.3379, 0.4093, 0.4168



20.3379, 0.2511, 0.3740



20.3379, 0.2206, 0.2398

Rectangle

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



20.3379, 0.3732, 0.2875



20.3379, 0.4312, 0.3614



20.3379, 0.2511, 0.3740



20.3379, 0.2071, 0.2787

Sweetspot

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



20.3389, 0.3732, 0.2875



62.1755, 0.3262, 0.3172



18.8328, 0.2839, 0.2203



13.5123, 0.3278, 0.3159



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.3389, 0.3732, 0.2875



31.2779, 0.3937, 0.2787



21.1527, 0.4097, 0.3400



8.0657, 0.3227, 0.3201



6.8457, 0.5363, 0.2728



0.2014, 0.4562, 0.2287

Inverse Universe

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



20.3389, 0.3732, 0.2875



31.2779, 0.3937, 0.2787



33.5383, 0.2559, 0.3174



8.0657, 0.3227, 0.3201



6.8457, 0.5363, 0.2728



0.2014, 0.4562, 0.2287

Previews

White Background



This preview shows how the Yxy color 20.3379, 0.3732, 0.2875 looks on a white background.

Color Contrast Check

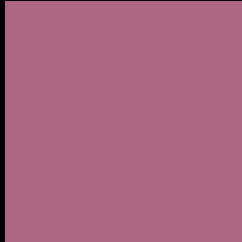
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3379, 0.3732, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

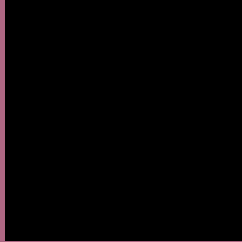
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3379, 0.3732, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 20.3379, 0.3732, 0.2875.



This preview shows how white text looks on a background with the Yxy color 20.3379, 0.3732, 0.2875.

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

20.3379, 0.3732, 0.2875

Protanopia

20.4939, 0.2879, 0.2932

Deuteranopia

20.4675, 0.3232, 0.3167



Tritanopia

20.2936, 0.3938, 0.3171

Trichromacy



Original Color

20.3379, 0.3732, 0.2875

Protanomaly

19.9303, 0.3158, 0.2898

Deuteranomaly

20.1036, 0.3412, 0.3040

Tritanomaly

20.3435, 0.3869, 0.3066

Monochromacy



Original Color

20.3379, 0.3732, 0.2875

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4447, 0.3338, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3379, 0.3732, 0.2875 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(174, 103, 131)` looks like.

```
.text, #text, p{  
    color:rgb(174, 103, 131)  
}
```

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(174, 103, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 103, 131) }
```

Border

The CSS property to change the border of an element to Yxy 20.3379, 0.3732, 0.2875 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(174, 103, 131) }
```

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

```
.border{ border-color:rgb(174, 103, 131) }
```

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

Here you see how a box with a 4 pixel rgb(174, 103, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 103, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 103, 131);  
box-shadow:4px 4px 4px 4px rgb(174, 103,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3379, 0.3732, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 103, 131) }
```

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

```
.background{ background-color: rgb(174,  
103, 131) }
```

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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