

Converting Colors

$Y_{xy}(20.1227, 0.3701, 0.2832)$

Have a look what the booklet for
Yxy(20.1227, 0.3701, 0.2832)
contains.

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Color

Yxy(20.0804, 0.3694, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	AD6685
RGB	173, 102, 133
RGB Percent	68%, 40%, 52%
CMY	0.3215, 0.6000, 0.4785
CMYK	0.00, 0.41, 0.23, 0.32
HSL	334°, 30%, 54%
HSV	334°, 41%, 68%
XYZ	26.2202, 20.0804, 24.6799
YIQ	126.7630, 32.3650, 24.6930

Conversions

Conversions Part 2

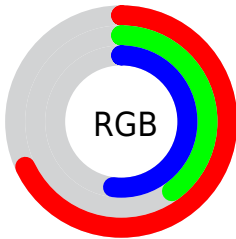
Format	Color
R_{YB}	173, 102, 133
Decimal	11363973
CIE _{Lab}	51.93, 32.70, -4.83
CIE _{LCh}	52, 33.050, 351.603
Yxy	20.0804, 0.3694, 0.2829
Android (android.graphics.Color)	4289554053 (0xFFAD6685)
YUV	126.7630, 3.0748, 40.5498
Hunter-Lab	44.8112, 26.0256, -1.2864

Details

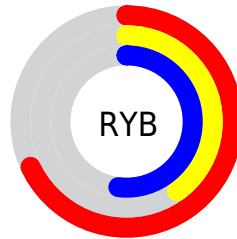
The Yxy color **20.0804, 0.3694, 0.2829** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **34.6710, 0.2783, 0.3813**, and the grayscale version is **21.1192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4794, 0.3571, 0.2926**, and **7.1082, 0.3911, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **16.7712, 0.3904, 0.2722**, and if you desaturate by 10%, it is **24.1262, 0.3515, 0.2944**.

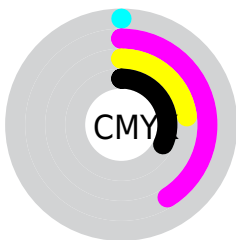
Distribution



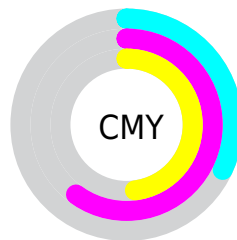
- Red (68%)
- Green (40%)
- Blue (52%)



- Red (68%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (41%)
- Yellow (23%)
- Black (32%)




- Cyan (32%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0804, 0.3694, 0.2829 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 20.0804, 0.3694, 0.2829 by changing the saturation by 10% instead.


 20.0804, 0.3694,
0.2829


 20.0804, 0.3694,
0.2829


252.3500, 0.3375,
0.3085


 12.4535, 0.3788,
0.2755


 43.5519, 0.3568,
0.2929


 7.0533, 0.3920,
0.2654


 60.1654, 0.3524,
0.2964

 3.4955, 0.4116,
0.2506

 80.5431, 0.3488,
0.2993

 1.3955, 0.4437,
0.2270

 105.0695, 0.3458,
0.3017

 0.2134, 0.5635,
0.1189

134.1290, 0.3432,
0.3038

 0.0000, 0.0000,
0.0000

168.1060, 0.3410,

0.3056

207.3849, 0.3391,
0.3071

■ 20.0804, 0.3694,
0.2829

■ 20.0804, 0.3694,
0.2829

■ 16.7712, 0.3904,
0.2722

■ 24.1262, 0.3515,
0.2944

■ 14.1506, 0.4144,
0.2633

■ 28.9470, 0.3365,
0.3060

■ 12.1692, 0.4411,
0.2572


■ 34.5821, 0.3240,
0.3172


■ 10.7699, 0.4692,
0.2553

■ 41.0670, 0.3137,
0.3279


■ 9.8853, 0.4974,
0.2584


■ 48.4354, 0.3052,
0.3379

 9.4008, 0.5217,
0.2647

 56.7189, 0.2982,
0.3471

 65.9477, 0.2924,
0.3556

 76.1505, 0.2876,
0.3634

 85.6130, 0.2834,
0.3676

Harmonies

Analogous

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



20.0804, 0.3069, 0.2504



20.0804, 0.3694, 0.2829



20.0804, 0.4182, 0.3262

Triad

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



20.0804, 0.3694, 0.2829



20.0804, 0.3680, 0.4398



20.0804, 0.2040, 0.2669

Complementary

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



20.0804, 0.3694, 0.2829



34.6710, 0.2783, 0.3813

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.



20.0804, 0.2166, 0.3178



20.0804, 0.3694, 0.2829



20.0804, 0.3089, 0.4291

Square

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



20.0804, 0.3694, 0.2829



20.0804, 0.4149, 0.4156



20.0804, 0.2537, 0.3808



20.0804, 0.2162, 0.2390

Rectangle

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



20.0804, 0.3694, 0.2829



20.0804, 0.4334, 0.3576



20.0804, 0.2537, 0.3808



20.0804, 0.2054, 0.2815

Sweetspot

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



20.0814, 0.3694, 0.2829



60.6730, 0.3253, 0.3160



18.1877, 0.2796, 0.2183



12.8999, 0.3268, 0.3146



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.



20.0814, 0.3694, 0.2829



30.6702, 0.3877, 0.2734



20.0604, 0.4128, 0.3347



8.0712, 0.3221, 0.3191



6.9161, 0.5190, 0.2633



0.2035, 0.4444, 0.2222

Inverse Universe

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



20.0814, 0.3694, 0.2829



30.6702, 0.3877, 0.2734



34.3911, 0.2565, 0.3231



8.0712, 0.3221, 0.3191



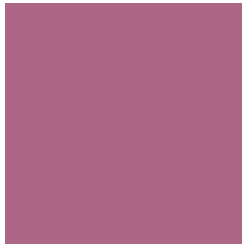
6.9161, 0.5190, 0.2633



0.2035, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 20.0804, 0.3694, 0.2829 looks on a white background.

Color Contrast Check

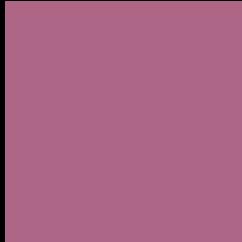
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0804, 0.3694, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

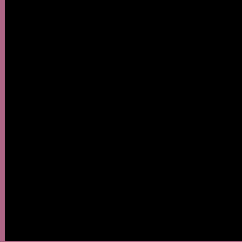
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0804, 0.3694, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 20.0804, 0.3694, 0.2829.



This preview shows how white text looks on a background with the Yxy color 20.0804, 0.3694, 0.2829.

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

20.0804, 0.3694, 0.2829

Protanopia

20.2343, 0.2848, 0.2878

Deuteranopia

20.3548, 0.3184, 0.3131



Tritanopia

20.1582, 0.3939, 0.3185

Trichromacy



Original Color

20.0804, 0.3694, 0.2829

Protanomaly

19.6735, 0.3123, 0.2846

Deuteranomaly

19.9692, 0.3360, 0.3005

Tritanomaly

20.2299, 0.3856, 0.3064

Monochromacy



Original Color

20.0804, 0.3694, 0.2829

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4711, 0.3326, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0804, 0.3694, 0.2829 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(173, 102, 133)` looks like.

```
.text, #text, p{  
    color:rgb(173, 102, 133)  
}
```

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(173, 102, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 102, 133) }
```

Border

The CSS property to change the border of an element to Yxy 20.0804, 0.3694, 0.2829 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(173, 102, 133) }
```

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

```
.border{ border-color:rgb(173, 102, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 102, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 102, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 102, 133);  
box-shadow:4px 4px 4px 4px rgb(173, 102,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0804, 0.3694, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 102, 133) }
```

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

```
.background{ background-color: rgb(173,  
102, 133) }
```

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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