

Converting Colors

$Y_{xy}(20.1396, 0.3173, 0.2325)$

Have a look what the booklet for
Yxy(20.1396, 0.3173, 0.2325)
contains.

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Color

Yxy(20.1199, 0.3172, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	A764A7
RGB	167, 100, 167
RGB Percent	65%, 39%, 65%
CMY	0.3453, 0.6077, 0.3451
CMYK	0.00, 0.40, 0.00, 0.35
HSL	300°, 28%, 52%
HSV	300°, 40%, 65%
XYZ	27.4614, 20.1199, 38.9931
YIQ	127.6710, 18.4250, 35.0410

Conversions

Conversions Part 2

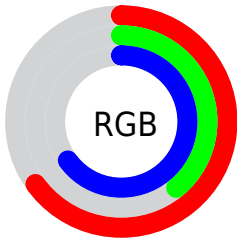
Format	Color
R _Y B	167, 100, 167
Decimal	10970279
CIE Lab	51.97, 37.56, -24.83
CIE LCh	52, 45.028, 326.529
Yxy	20.1199, 0.3172, 0.2324
Android (android.graphics.Color)	4289160359 (0xFFA764A7)
YUV	127.6710, 19.3892, 34.4915
Hunter-Lab	44.8552, 30.7853, -20.1428

Details

The Yxy color $20.1199, 0.3172, 0.2324$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.2699, 0.3071, 0.4491$, and the grayscale version is $21.3948, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.4184, 0.3173, 0.2512$, and $7.0297, 0.3150, 0.2005$ is the 20% darker color. If you saturate the color by 10%, you get $17.2369, 0.3182, 0.2108$, and if you desaturate by 10%, it is $23.6614, 0.3161, 0.2559$.

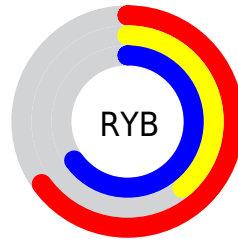
Distribution



Red (65%)

Green (39%)

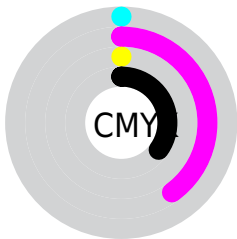
Blue (65%)



Red (65%)

Yellow (39%)

Blue (65%)

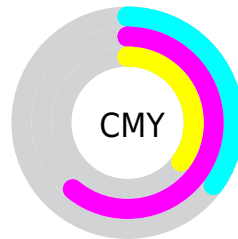


Cyan (0%)

Magenta (40%)

Yellow (0%)

Black (35%)



Cyan (35%)


Magenta (61%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1199, 0.3172, 0.2324 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 20.1199, 0.3172, 0.2324 by changing the saturation by 10% instead.


 20.1199, 0.3172,
0.2324

 20.1199, 0.3172,
0.2324


252.5635, 0.3162,
0.2832


 12.4822, 0.3169,
0.2190


 43.6181, 0.3172,
0.2514


 7.0730, 0.3161,
0.2015


 60.2474, 0.3171,
0.2584

 3.5078, 0.3141,
0.1778


 80.6428, 0.3170,
0.2642

 1.4022, 0.3094,
0.1443

 105.1885, 0.3168,
0.2692

 0.2184, 0.3092,
0.0583

134.2691, 0.3166,
0.2734

 0.0000, 0.0859,
0.0000

168.2688, 0.3165,

 0.0000, 0.0000,

0.2771

0.0000

207.5722, 0.3163,
0.2803

■ 20.1199, 0.3172,
0.2324

■ 20.1199, 0.3172,
0.2324

■ 17.2369, 0.3182,
0.2108

■ 23.6614, 0.3161,
0.2559

■ 14.9692, 0.3191,
0.1919

■ 27.8956, 0.3150,
0.2803

■ 13.2729, 0.3198,
0.1766


■ 32.8576, 0.3138,
0.3048


■ 12.0972, 0.3203,
0.1653

■ 38.5794, 0.3127,
0.3288

■ 11.3820, 0.3206,
0.1581

■ 45.0911, 0.3117,
0.3517

 10.9945, 0.3208,
0.1541

 52.4210, 0.3107,
0.3733

 60.5961, 0.3097,
0.3934

 69.6423, 0.3089,
0.4118

 79.5842, 0.3081,
0.4286

Harmonies

Analogous

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



20.1199, 0.2416, 0.2083



20.1199, 0.3172, 0.2324



20.1199, 0.4023, 0.2759

Triad

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



20.1199, 0.3172, 0.2324



20.1199, 0.4378, 0.4480



20.1199, 0.1814, 0.2975

Complementary

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



20.1199, 0.3172, 0.2324



31.2699, 0.3071, 0.4491

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.



20.1199, 0.2226, 0.3859



20.1199, 0.3172, 0.2324



20.1199, 0.3700, 0.4818

Square

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



20.1199, 0.3172, 0.2324



20.1199, 0.4749, 0.3914



20.1199, 0.2912, 0.4624



20.1199, 0.1720, 0.2361

Rectangle

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



20.1199, 0.3172, 0.2324



20.1199, 0.4479, 0.3120



20.1199, 0.2912, 0.4624



20.1199, 0.1916, 0.3251

Sweetspot

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



20.1208, 0.3172, 0.2324



56.8562, 0.3141, 0.2996



14.8366, 0.2405, 0.2111



12.4689, 0.3142, 0.2966



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.



20.1208, 0.3172, 0.2324



31.4467, 0.3181, 0.2133



19.0739, 0.3597, 0.2761



7.6664, 0.3138, 0.3067



8.4136, 0.3208, 0.1541



0.2048, 0.3208, 0.1541

Inverse Universe

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



18.2565, 0.4112, 0.3292



27.6462, 0.4453, 0.3293



32.0238, 0.2830, 0.3895



7.5424, 0.3286, 0.3290



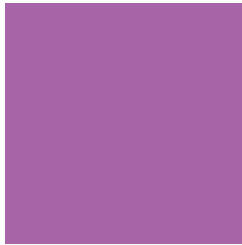
6.2868, 0.6400, 0.3299



0.1530, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 20.1199, 0.3172, 0.2324 looks on a white background.

Color Contrast Check

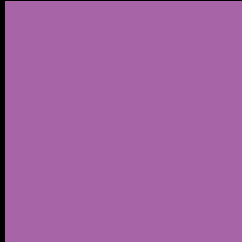
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1199, 0.3172, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

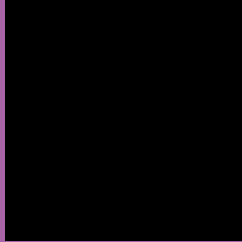
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1199, 0.3172, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 20.1199, 0.3172, 0.2324.



This preview shows how white text looks on a background with the Yxy color 20.1199, 0.3172, 0.2324.

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

20.1199, 0.3172, 0.2324

Protanopia

20.3054, 0.2360, 0.2248

Deuteranopia

20.2082, 0.2636, 0.2580



Tritanopia

20.0608, 0.3703, 0.3147

Trichromacy



Original Color

20.1199, 0.3172, 0.2324

Protanomaly

19.6846, 0.2602, 0.2261

Deuteranomaly

19.7833, 0.2816, 0.2470

Tritanomaly

19.8722, 0.3509, 0.2823

Monochromacy



Original Color

20.1199, 0.3172, 0.2324

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.6606, 0.3146, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1199, 0.3172, 0.2324 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(167, 100, 167)` looks like.

```
.text, #text, p{  
    color:rgb(167, 100, 167)  
}
```

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(167, 100, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 100, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.1199, 0.3172, 0.2324 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(167, 100, 167) }
```

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

```
.border{ border-color:rgb(167, 100, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 100, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 100, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 100, 167);  
box-shadow:4px 4px 4px 4px rgb(167, 100,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1199, 0.3172, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 100, 167) }
```

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

```
.background{ background-color: rgb(167,  
100, 167) }
```

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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