

Converting Colors

$Y_{xy}(20.4451, 0.3188, 0.2348)$

Have a look what the booklet for
Yxy(20.4451, 0.3188, 0.2348)
contains.

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Color

Yxy(20.4222, 0.3184, 0.2341)

Conversions

Conversions Part 1

Format	Color
Hex	A865A7
RGB	168, 101, 167
RGB Percent	66%, 40%, 65%
CMY	0.3412, 0.6039, 0.3451
CMYK	0.00, 0.40, 0.01, 0.34
HSL	301°, 28%, 53%
HSV	301°, 40%, 66%
XYZ	27.7763, 20.4222, 39.0386
YIQ	128.5570, 18.7460, 34.7300

Conversions

Conversions Part 2

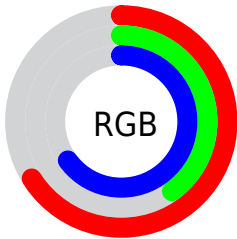
Format	Color
R_{YB}	168, 101, 167
Decimal	11036071
CIE _{Lab}	52.31, 37.36, -24.30
CIE _{LCh}	52, 44.569, 326.953
Yxy	20.4222, 0.3184, 0.2341
Android (android.graphics.Color)	4289226151 (0xFFA865A7)
YUV	128.5570, 18.9524, 34.5915
Hunter-Lab	45.1909, 30.6296, -19.5846

Details

The Yxy color $20.4222, 0.3184, 0.2341$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.7295, 0.3064, 0.4466$, and the grayscale version is $21.7187, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9037, 0.3181, 0.2525$, and $7.1829, 0.3167, 0.2028$ is the 20% darker color. If you saturate the color by 10%, you get $17.4781, 0.3198, 0.2126$, and if you desaturate by 10%, it is $24.0349, 0.3169, 0.2573$.

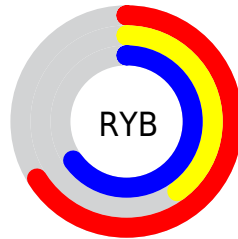
Distribution



Red (66%)

Green (40%)

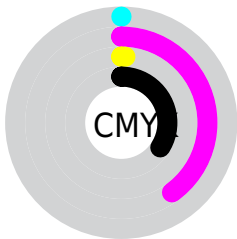
Blue (65%)



Red (66%)

Yellow (40%)

Blue (65%)

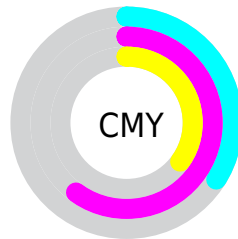


Cyan (0%)

Magenta (40%)

Yellow (1%)

Black (34%)



Cyan (34%)


Magenta (60%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4222, 0.3184, 0.2341 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 20.4222, 0.3184, 0.2341 by changing the saturation by 10% instead.


 20.4222, 0.3184,
0.2341


 20.4222, 0.3184,
0.2341

254.1916, 0.3167,
0.2840


 12.7023, 0.3183,
0.2210


 44.1239, 0.3181,
0.2527

 7.2239, 0.3178,
0.2038


 60.8745, 0.3179,
0.2596

 3.6025, 0.3164,
0.1805


 81.4042, 0.3177,
0.2653

 1.4538, 0.3125,
0.1475

 106.0972, 0.3175,
0.2702

 0.2559, 0.3125,
0.0669

135.3381, 0.3173,
0.2744

 0.0000, 0.1176,
0.0000

169.5112, 0.3171,

 0.0000, 0.0000,

0.2780

0.0000

209.0009, 0.3169,
0.2812

■ 20.4222, 0.3184,
0.2341

■ 20.4222, 0.3184,
0.2341

■ 17.4781, 0.3198,
0.2126

■ 24.0349, 0.3169,
0.2573

■ 15.1590, 0.3211,
0.1939

■ 28.3510, 0.3155,
0.2815

■ 13.4205, 0.3223,
0.1786


■ 33.4059, 0.3141,
0.3057


■ 12.2109, 0.3232,
0.1673


■ 39.2322, 0.3127,
0.3293


■ 11.4698, 0.3240,
0.1601

■ 45.8602, 0.3114,
0.3519

 11.0641, 0.3246,
0.1562

 53.3188, 0.3103,
0.3731

 11.0594, 0.3246,
0.1562

 61.6353, 0.3092,
0.3928

 70.8358, 0.3082,
0.4109

 80.9454, 0.3074,
0.4275

Harmonies

Analogous

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



20.4222, 0.2435, 0.2099



20.4222, 0.3184, 0.2341



20.4222, 0.4021, 0.2773

Triad

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



20.4222, 0.3184, 0.2341



20.4222, 0.4355, 0.4473



20.4222, 0.1828, 0.2971

Complementary

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



20.4222, 0.3184, 0.2341



31.7295, 0.3064, 0.4466

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.



20.4222, 0.2231, 0.3838



20.4222, 0.3184, 0.2341



20.4222, 0.3684, 0.4797

Square

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



20.4222, 0.3184, 0.2341



20.4222, 0.4724, 0.3918



20.4222, 0.2906, 0.4594



20.4222, 0.1738, 0.2368

Rectangle

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



20.4222, 0.3184, 0.2341



20.4222, 0.4466, 0.3132



20.4222, 0.2906, 0.4594



20.4222, 0.1927, 0.3241

Sweetspot

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



20.4231, 0.3184, 0.2341



58.3493, 0.3144, 0.3000



14.9028, 0.2407, 0.2099



12.4645, 0.3146, 0.2970



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.



20.4231, 0.3184, 0.2341



32.1979, 0.3197, 0.2147



19.3682, 0.3609, 0.2780



7.6647, 0.3140, 0.3071



8.3530, 0.3246, 0.1562



0.2038, 0.3233, 0.1555

Inverse Universe

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



20.4231, 0.3184, 0.2341



32.1979, 0.3197, 0.2147



32.5054, 0.2823, 0.3871



7.6647, 0.3140, 0.3071



8.3530, 0.3246, 0.1562



0.2038, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 20.4222, 0.3184, 0.2341 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 20.4222, 0.3184, 0.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

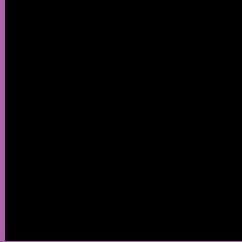
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4222, 0.3184, 0.2341

Background



This preview shows how black text looks on a background with the Yxy color 20.4222, 0.3184, 0.2341.



This preview shows how white text looks on a background with the Yxy color 20.4222, 0.3184, 0.2341.

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

20.4222, 0.3184, 0.2341

Protanopia

20.6299, 0.2385, 0.2282

Deuteranopia

20.5922, 0.2657, 0.2602



Tritanopia

20.4063, 0.3698, 0.3148

Trichromacy



Original Color

20.4222, 0.3184, 0.2341

Protanomaly

20.0650, 0.2624, 0.2282

Deuteranomaly

20.1760, 0.2839, 0.2492

Tritanomaly

20.2140, 0.3506, 0.2825

Monochromacy



Original Color

20.4222, 0.3184, 0.2341

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.0165, 0.3146, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4222, 0.3184, 0.2341 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(168, 101, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 101, 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(168, 101, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 101, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.4222, 0.3184, 0.2341 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(168, 101, 167) }
```

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

```
.border{ border-color:rgb(168, 101, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 101, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 101, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 101, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 101,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4222, 0.3184, 0.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 101, 167) }
```

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

```
.background{ background-color: rgb(168,  
101, 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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