

Converting Colors

$Y_{xy}(20.4345, 0.3162, 0.2184)$

Have a look what the booklet for
Yxy(20.4345, 0.3162, 0.2184)
contains.

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Color

Yxy(20.4330, 0.3167, 0.2185)

Conversions

Conversions Part 1

Format	Color
Hex	AF5FB0
RGB	175, 95, 176
RGB Percent	69%, 37%, 69%
CMY	0.3136, 0.6276, 0.3097
CMYK	0.01, 0.46, 0.00, 0.31
HSL	299°, 34%, 53%
HSV	299°, 46%, 69%
XYZ	29.6162, 20.4330, 43.4657
YIQ	128.1540, 21.6790, 42.1510

Conversions

Conversions Part 2

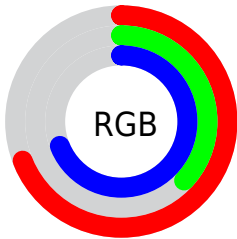
Format	Color
R_{YB}	175, 95, 176
Decimal	11493296
CIE _{Lab}	52.32, 44.48, -29.46
CIE _{LCh}	52, 53.351, 326.478
Yxy	20.4330, 0.3167, 0.2185
Android (android.graphics.Color)	4289683376 (0xFFAF5FB0)
YUV	128.1540, 23.5881, 41.0839
Hunter-Lab	45.2029, 37.8452, -25.3695

Details

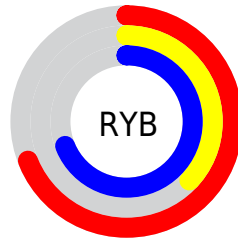
The Yxy color $20.4330, 0.3167, 0.2185$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $34.3669, 0.3068, 0.4705$, and the grayscale version is $21.5530, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.1618, 0.3169, 0.2395$, and $7.2245, 0.3139, 0.1856$ is the 20% darker color. If you saturate the color by 10%, you get $17.5897, 0.3173, 0.1982$, and if you desaturate by 10%, it is $23.9945, 0.3160, 0.2412$.

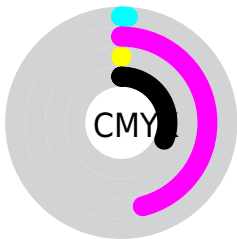
Distribution



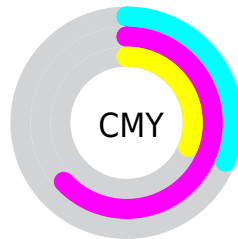
- Red (69%)
- Green (37%)
- Blue (69%)



- Red (69%)
- Yellow (37%)
- Blue (69%)



- Cyan (1%)
- Magenta (46%)
- Yellow (0%)
- Black (31%)





- Cyan (31%)
- Magenta (63%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4330, 0.3167, 0.2185 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 20.4330, 0.3167, 0.2185 by changing the saturation by 10% instead.


 20.4330, 0.3167,
0.2185


 20.4330, 0.3167,
0.2185


254.2496, 0.3165,
0.2755


 12.7102, 0.3160,
0.2039


 44.1420, 0.3171,
0.2395


 7.2293, 0.3146,
0.1852


 60.8969, 0.3171,
0.2473

 3.6059, 0.3117,
0.1604


 81.4313, 0.3171,
0.2539

 1.4556, 0.3055,
0.1266

 106.1296, 0.3170,
0.2595

 0.2572, 0.2990,
0.0537

135.3762, 0.3169,
0.2643

 0.0000, 0.1954,
0.0000

169.5555, 0.3167,

 0.0000, 0.0000,

0.2685

0.0000

209.0518, 0.3166,
0.2722

■ 20.4330, 0.3167,
0.2185

■ 20.4330, 0.3167,
0.2185

■ 17.5897, 0.3173,
0.1982

■ 23.9945, 0.3160,
0.2412

■ 15.4130, 0.3178,
0.1812

■ 28.3157, 0.3151,
0.2653

■ 13.8489, 0.3180,
0.1680


■ 33.4383, 0.3142,
0.2900


■ 12.8335, 0.3181,
0.1590

■ 39.4002, 0.3133,
0.3145


■ 12.2835, 0.3180,
0.1540

■ 46.2367, 0.3124,
0.3383

 12.1227, 0.3179,
0.1525

 53.9813, 0.3115,
0.3608

 62.6656, 0.3106,
0.3818

 72.3197, 0.3098,
0.4012

 82.9724, 0.3090,
0.4189

Harmonies

Analogous

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



20.4330, 0.2298, 0.1915



20.4330, 0.3167, 0.2185



20.4330, 0.4176, 0.2669

Triad

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



20.4330, 0.3167, 0.2185



20.4330, 0.4545, 0.4626



20.4330, 0.1621, 0.2899

Complementary

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



20.4330, 0.3167, 0.2185



34.3669, 0.3068, 0.4705

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.



20.4330, 0.2071, 0.3964



20.4330, 0.3167, 0.2185



20.4330, 0.3753, 0.5083

Square

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



20.4330, 0.3167, 0.2185



20.4330, 0.5005, 0.3956



20.4330, 0.2850, 0.4900



20.4330, 0.1526, 0.2203

Rectangle

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



20.4330, 0.3167, 0.2185



20.4330, 0.4718, 0.3070



20.4330, 0.2850, 0.4900



20.4330, 0.1729, 0.3225

Sweetspot

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



20.4339, 0.3167, 0.2185



62.4626, 0.3140, 0.2945



13.9918, 0.2276, 0.1900



13.0723, 0.3142, 0.2893



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.



20.4339, 0.3167, 0.2185



31.9317, 0.3173, 0.1984



19.2135, 0.3700, 0.2682



8.6414, 0.3136, 0.3065



8.8947, 0.3180, 0.1525



0.2815, 0.3188, 0.1530

Inverse Universe

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



18.2553, 0.4330, 0.3279



27.5113, 0.4753, 0.3278



35.2140, 0.2794, 0.4007



8.5069, 0.3285, 0.3288



6.7763, 0.6385, 0.3291



0.2138, 0.6317, 0.3254

Previews

White Background



This preview shows how the Yxy color 20.4330, 0.3167, 0.2185 looks on a white background.

Color Contrast Check

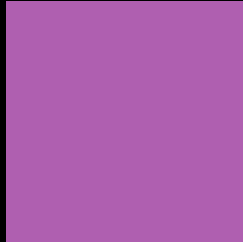
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4330, 0.3167, 0.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

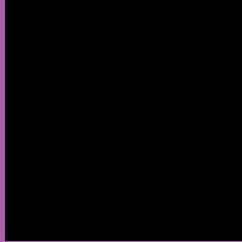
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4330, 0.3167, 0.2185

Background



This preview shows how black text looks on a background with the Yxy color 20.4330, 0.3167, 0.2185.



This preview shows how white text looks on a background with the Yxy color 20.4330, 0.3167, 0.2185.

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

20.4330, 0.3167, 0.2185

Protanopia

20.7762, 0.2225, 0.2080

Deuteranopia

20.7351, 0.2536, 0.2490



Tritanopia

20.5465, 0.3828, 0.3168

Trichromacy



Original Color

20.4330, 0.3167, 0.2185

Protanomaly

19.9318, 0.2486, 0.2085

Deuteranomaly

19.8957, 0.2728, 0.2332

Tritanomaly

20.3935, 0.3591, 0.2781

Monochromacy



Original Color

20.4330, 0.3167, 0.2185

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.5549, 0.3150, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4330, 0.3167, 0.2185 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(175, 95, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 95, 176)  
}
```

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(175, 95, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 95, 176) }
```

Border

The CSS property to change the border of an element to Yxy 20.4330, 0.3167, 0.2185 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(175, 95, 176) }
```

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

```
.border{ border-color:rgb(175, 95, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 95, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 95, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 95, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 95,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4330, 0.3167, 0.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 95, 176) }
```

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

```
.background{ background-color: rgb(175, 95,  
176) }
```

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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