

Converting Colors

$Y_{xy}(20.2533, 0.3254, 0.2157)$

Have a look what the booklet for
Yxy(20.2533, 0.3254, 0.2157)
contains.

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Color

Yxy(20.2312, 0.3255, 0.2163)

Conversions

Conversions Part 1

Format	Color
Hex	B55AAF
RGB	181, 90, 175
RGB Percent	71%, 35%, 69%
CMY	0.2903, 0.6470, 0.3137
CMYK	0.00, 0.50, 0.03, 0.29
HSL	304°, 38%, 53%
HSV	304°, 50%, 71%
XYZ	30.4450, 20.2312, 42.8568
YIQ	126.8990, 26.9510, 45.7270

Conversions

Conversions Part 2

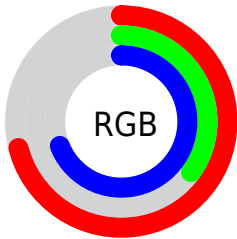
Format	Color
R_{YB}	181, 90, 175
Decimal	11885231
CIE _{Lab}	52.10, 48.58, -29.16
CIE _{LCh}	52, 56.664, 329.026
Yxy	20.2312, 0.3255, 0.2163
Android (android.graphics.Color)	4290075311 (0xFFB55AAF)
YUV	126.8990, 23.7138, 47.4466
Hunter-Lab	44.9791, 42.1079, -25.0071

Details

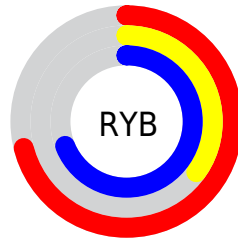
The Yxy color $20.2312, 0.3255, 0.2163$ is a dark color, and the websafe version is hex `CC66CC`. A complement of this color would be $36.0561, 0.3017, 0.4761$, and the grayscale version is $21.0992, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.7652, 0.3243, 0.2372$, and $7.1639, 0.3271, 0.1834$ is the 20% darker color. If you saturate the color by 10%, you get $17.4944, 0.3283, 0.1982$, and if you desaturate by 10%, it is $23.7134, 0.3227, 0.2370$.

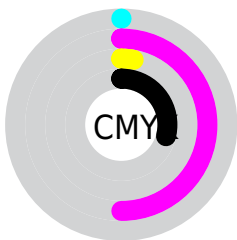
Distribution



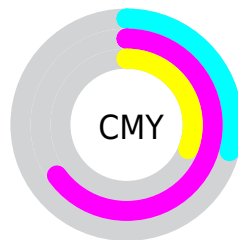
- Red (71%)
- Green (35%)
- Blue (69%)



- Red (71%)
- Yellow (35%)
- Blue (69%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (29%)




- Cyan (29%)
- Magenta (65%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2312, 0.3255, 0.2163 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 20.2312, 0.3255, 0.2163 by changing the saturation by 10% instead.


 20.2312, 0.3255,
0.2163


 20.2312, 0.3255,
0.2163


253.1640, 0.3205,
0.2743

 12.5632, 0.3261,
0.2016


 43.8045, 0.3241,
0.2376


 7.1285, 0.3264,
0.1826


 60.4785, 0.3235,
0.2456

 3.5426, 0.3259,
0.1576


 80.9234, 0.3229,
0.2523

 1.4211, 0.3231,
0.1236

 105.5235, 0.3223,
0.2580

 0.2322, 0.3235,
0.0487

134.6633, 0.3218,
0.2629

 0.0000, 0.2452,
0.0000

168.7270, 0.3214,

 0.0000, 0.0000,

0.2672

0.0000

208.0991, 0.3209,
0.2710

■ 20.2312, 0.3255,
0.2163

■ 20.2312, 0.3255,
0.2163

■ 17.4944, 0.3283,
0.1982

■ 23.7134, 0.3227,
0.2370

■ 15.4455, 0.3311,
0.1835

■ 27.9878, 0.3199,
0.2594

■ 14.0229, 0.3337,
0.1729

■ 33.1002, 0.3173,
0.2826

■ 13.1529, 0.3360,
0.1665

■ 39.0926, 0.3149,
0.3058

■ 12.6882, 0.3381,
0.1636

■ 46.0037, 0.3128,
0.3284

■ 53.8703, 0.3108,
0.3500

■ 62.7270, 0.3091,
0.3703

■ 72.6066, 0.3076,
0.3890

■ 83.5406, 0.3063,
0.4063

Harmonies

Analogous

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



20.2312, 0.2314, 0.1861



20.2312, 0.3255, 0.2163



20.2312, 0.4327, 0.2681

Triad

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



20.2312, 0.3255, 0.2163



20.2312, 0.4548, 0.4738



20.2312, 0.1519, 0.2783

Complementary

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



20.2312, 0.3255, 0.2163



36.0561, 0.3017, 0.4761

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.



20.2312, 0.1950, 0.3904



20.2312, 0.3255, 0.2163



20.2312, 0.3690, 0.5214

Square

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



20.2312, 0.3255, 0.2163



20.2312, 0.5088, 0.4029



20.2312, 0.2742, 0.4964



20.2312, 0.1455, 0.2096

Rectangle

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



20.2312, 0.3255, 0.2163



20.2312, 0.4876, 0.3103



20.2312, 0.2742, 0.4964



20.2312, 0.1619, 0.3118

Sweetspot

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



20.2321, 0.3255, 0.2163



64.4725, 0.3161, 0.2943



13.0617, 0.2221, 0.1740



13.4614, 0.3166, 0.2895



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.2321, 0.3255, 0.2163



31.0267, 0.3285, 0.1970



18.7744, 0.3871, 0.2711



8.6369, 0.3147, 0.3080



8.7539, 0.3378, 0.1635



0.2783, 0.3327, 0.1606

Inverse Universe

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



20.2321, 0.3255, 0.2163



31.0267, 0.3285, 0.1970



37.1064, 0.2732, 0.3980



8.6369, 0.3147, 0.3080



8.7539, 0.3378, 0.1635



0.2783, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 20.2312, 0.3255, 0.2163 looks on a white background.

Color Contrast Check

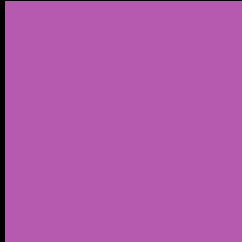
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2312, 0.3255, 0.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

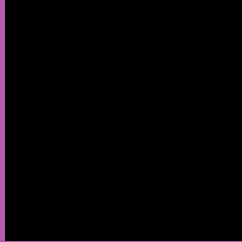
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2312, 0.3255, 0.2163

Background



This preview shows how black text looks on a background with the Yxy color 20.2312, 0.3255, 0.2163.



This preview shows how white text looks on a background with the Yxy color 20.2312, 0.3255, 0.2163.

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

20.2312, 0.3255, 0.2163

Protanopia

20.5630, 0.2191, 0.2026

Deuteranopia

20.4752, 0.2559, 0.2503



Tritanopia

20.2941, 0.3984, 0.3172

Trichromacy



Original Color

20.2312, 0.3255, 0.2163

Protanomaly

19.3933, 0.2482, 0.2032

Deuteranomaly

19.6275, 0.2778, 0.2335

Tritanomaly

20.2390, 0.3710, 0.2767

Monochromacy



Original Color

20.2312, 0.3255, 0.2163

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.2513, 0.3188, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2312, 0.3255, 0.2163 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(181, 90, 175)` looks like.

```
.text, #text, p{  
    color:rgb(181, 90, 175)  
}
```

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(181, 90, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 90, 175) }
```

Border

The CSS property to change the border of an element to Yxy 20.2312, 0.3255, 0.2163 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(181, 90, 175) }
```

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

```
.border{ border-color:rgb(181, 90, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 90, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 90, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 90, 175);  
box-shadow:4px 4px 4px 4px rgb(181, 90,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2312, 0.3255, 0.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 90, 175) }
```

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

```
.background{ background-color: rgb(181, 90,  
175) }
```

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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