

Converting Colors

$Y_{xy}(20.8385, 0.3175, 0.2304)$

Have a look what the booklet for
Yxy(20.8385, 0.3175, 0.2304)
contains.

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Color

Yxy(20.9056, 0.3173, 0.2304)

Conversions

Conversions Part 1

Format	Color
Hex	AB65AB
RGB	171, 101, 171
RGB Percent	67%, 40%, 67%
CMY	0.3296, 0.6038, 0.3295
CMYK	0.00, 0.41, 0.00, 0.33
HSL	300°, 29%, 53%
HSV	300°, 41%, 67%
XYZ	28.7906, 20.9056, 41.0399
YIQ	129.9100, 19.2500, 36.6100

Conversions

Conversions Part 2

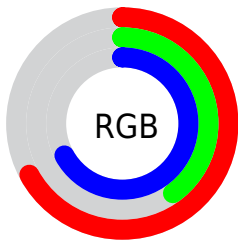
Format	Color
R _Y B	171, 101, 171
Decimal	11232683
CIE _{Lab}	52.85, 39.04, -25.77
CIE _{LCh}	53, 46.782, 326.574
Yxy	20.9056, 0.3173, 0.2304
Android (android.graphics.Color)	4289422763 (0xFFAB65AB)
YUV	129.9100, 20.2574, 36.0359
Hunter-Lab	45.7226, 32.3830, -21.2119

Details

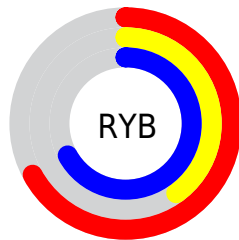
The Yxy color $20.9056, 0.3173, 0.2304$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.8324, 0.3070, 0.4522$, and the grayscale version is $22.2132, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.1512, 0.3173, 0.2496$, and $7.4576, 0.3169, 0.2004$ is the 20% darker color. If you saturate the color by 10%, you get $17.9222, 0.3183, 0.2090$, and if you desaturate by 10%, it is $24.5817, 0.3162, 0.2538$.

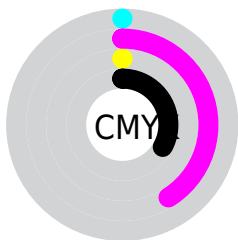
Distribution



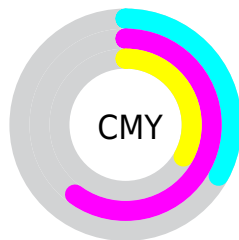
- Red (67%)
- Green (40%)
- Blue (67%)



- Red (67%)
- Yellow (40%)
- Blue (67%)



- Cyan (0%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)




- Cyan (33%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9056, 0.3173, 0.2304 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 20.9056, 0.3173, 0.2304 by changing the saturation by 10% instead.


 20.9056, 0.3173,
0.2304


 20.9056, 0.3173,
0.2304


256.7764, 0.3163,
0.2818


 13.0550, 0.3170,
0.2170

 44.9304, 0.3173,
0.2495

 7.4664, 0.3161,
0.1996


 61.8734, 0.3172,
0.2566

 3.7555, 0.3142,
0.1762


 82.6159, 0.3171,
0.2625

 1.5377, 0.3096,
0.1435

 107.5425, 0.3169,
0.2675

 0.3151, 0.3056,
0.0728

137.0374, 0.3168,
0.2718

 0.0000, 0.1758,
0.0000

171.4851, 0.3166,

 0.0000, 0.0000,

0.2756

0.0000

211.2700, 0.3165,
0.2789

■ 20.9056, 0.3173,
0.2304

■ 20.9056, 0.3173,
0.2304

■ 17.9222, 0.3183,
0.2090

■ 24.5817, 0.3162,
0.2538

■ 15.5856, 0.3192,
0.1904

■ 28.9871, 0.3151,
0.2782

■ 13.8486, 0.3198,
0.1754

■ 34.1592, 0.3139,
0.3028

■ 12.6567, 0.3203,
0.1644


■ 40.1322, 0.3128,
0.3268

■ 11.9451, 0.3206,
0.1576

■ 46.9380, 0.3117,
0.3499

 11.5872, 0.3208,
0.1541

 54.6067, 0.3107,
0.3717

 63.1673, 0.3098,
0.3919

 72.6470, 0.3089,
0.4105

 83.0722, 0.3081,
0.4274

Harmonies

Analogous

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



20.9056, 0.2399, 0.2058



20.9056, 0.3173, 0.2304



20.9056, 0.4047, 0.2746

Triad

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



20.9056, 0.3173, 0.2304



20.9056, 0.4402, 0.4503



20.9056, 0.1785, 0.2963

Complementary

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



20.9056, 0.3173, 0.2304



32.8324, 0.3070, 0.4522

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.



20.9056, 0.2202, 0.3872



20.9056, 0.3173, 0.2304



20.9056, 0.3707, 0.4857

Square

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



20.9056, 0.3173, 0.2304



20.9056, 0.4787, 0.3923



20.9056, 0.2902, 0.4662



20.9056, 0.1691, 0.2337

Rectangle

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



20.9056, 0.3173, 0.2304



20.9056, 0.4515, 0.3114



20.9056, 0.2902, 0.4662



20.9056, 0.1888, 0.3246

Sweetspot

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



20.9065, 0.3173, 0.2304



59.9022, 0.3141, 0.2996



15.2504, 0.2387, 0.2081



13.0875, 0.3142, 0.2965



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.



20.9065, 0.3173, 0.2304



32.6058, 0.3182, 0.2111



19.7817, 0.3611, 0.2750



8.1479, 0.3138, 0.3067



8.7364, 0.3208, 0.1541



0.2431, 0.3208, 0.1541

Inverse Universe

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



18.9114, 0.4144, 0.3293



28.5449, 0.4499, 0.3293



33.6351, 0.2825, 0.3911



8.0154, 0.3286, 0.3290



6.5270, 0.6400, 0.3299



0.1816, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 20.9056, 0.3173, 0.2304 looks on a white background.

Color Contrast Check

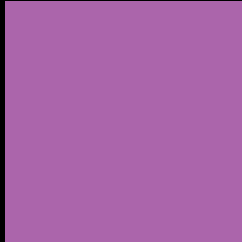
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9056, 0.3173, 0.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

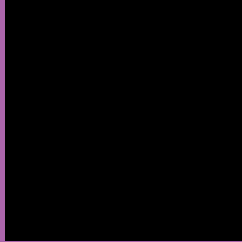
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9056, 0.3173, 0.2304

Background



This preview shows how black text looks on a background with the Yxy color 20.9056, 0.3173, 0.2304.



This preview shows how white text looks on a background with the Yxy color 20.9056, 0.3173, 0.2304.

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

20.9056, 0.3173, 0.2304

Protanopia

21.0761, 0.2340, 0.2221

Deuteranopia

21.2392, 0.2627, 0.2578



Tritanopia

20.8369, 0.3721, 0.3165

Trichromacy



Original Color

20.9056, 0.3173, 0.2304

Protanomaly

20.4989, 0.2584, 0.2235

Deuteranomaly

20.6363, 0.2811, 0.2455

Tritanomaly

20.8047, 0.3516, 0.2818

Monochromacy



Original Color

20.9056, 0.3173, 0.2304

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.2577, 0.3147, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9056, 0.3173, 0.2304 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(171, 101, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 171)  
}
```

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(171, 101, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.9056, 0.3173, 0.2304 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(171, 101, 171) }
```

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

```
.border{ border-color:rgb(171, 101, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 101, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9056, 0.3173, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 101, 171) }
```

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

```
.background{ background-color: rgb(171,  
101, 171) }
```

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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