

Converting Colors

$Y_{xy}(20.7645, 0.3235, 0.2272)$

Have a look what the booklet for
Yxy(20.7645, 0.3235, 0.2272)
contains.

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Color

Yxy(20.7198, 0.3237, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	B061AB
RGB	176, 97, 171
RGB Percent	69%, 38%, 67%
CMY	0.3098, 0.6196, 0.3293
CMYK	0.00, 0.45, 0.03, 0.31
HSL	304°, 33%, 54%
HSV	304°, 45%, 69%
XYZ	29.5332, 20.7198, 40.9834
YIQ	129.0570, 23.3300, 39.7620

Conversions

Conversions Part 2

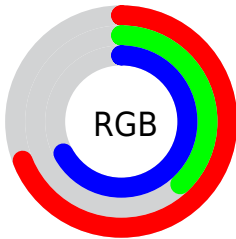
Format	Color
R _Y B	176, 97, 171
Decimal	11559339
CIE Lab	52.64, 42.79, -26.06
CIE LCh	53, 50.099, 328.661
Yxy	20.7198, 0.3237, 0.2271
Android (android.graphics.Color)	4289749419 (0xFFB061AB)
YUV	129.0570, 20.6779, 41.1690
Hunter-Lab	45.5190, 36.1545, -21.5189




Details

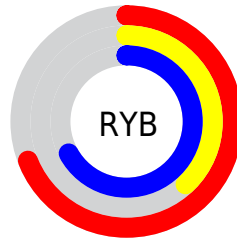
The Yxy color **20.7198, 0.3237, 0.2271** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.5543, 0.3029, 0.4581**, and the grayscale version is **21.8945, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.6824, 0.3220, 0.2465**, and **7.3996, 0.3265, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **17.7791, 0.3265, 0.2074**, and if you desaturate by 10%, it is **24.3843, 0.3210, 0.2489**.

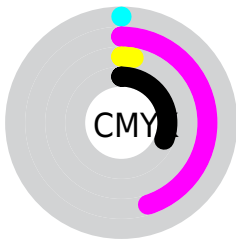
Distribution







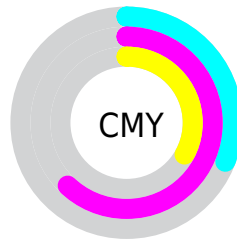
-  Red (69%)
-  Green (38%)
-  Blue (67%)






-  Red (69%)
-  Yellow (38%)
-  Blue (67%)



-  Cyan (0%)
-  Magenta (45%)
-  Yellow (3%)
-  Black (31%)





-  Cyan (31%)
-  Magenta (62%)
-  Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7198, 0.3237, 0.2271 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 20.7198, 0.3237, 0.2271 by changing the saturation by 10% instead.


 20.7198, 0.3237,
0.2271


 20.7198, 0.3237,
0.2271


255.7856, 0.3193,
0.2800


 12.9193, 0.3243,
0.2134


 44.6207, 0.3225,
0.2467

 7.3730, 0.3246,
0.1957


 61.4900, 0.3219,
0.2540

 3.6965, 0.3244,
0.1719


 82.1510, 0.3213,
0.2601

 1.5053, 0.3222,
0.1388

 106.9881, 0.3209,
0.2653

 0.2924, 0.3231,
0.0665

136.3857, 0.3204,
0.2697

 0.0000, 0.2243,
0.0000

170.7283, 0.3200,

 0.0000, 0.0000,

0.2736

0.0000

210.4001, 0.3197,
0.2770

■ 20.7198, 0.3237,
0.2271

■ 20.7198, 0.3237,
0.2271

■ 17.7791, 0.3265,
0.2074

■ 24.3843, 0.3210,
0.2489

■ 15.5112, 0.3292,
0.1908

■ 28.8136, 0.3184,
0.2718

■ 13.8627, 0.3318,
0.1779

■ 34.0490, 0.3160,
0.2951

■ 12.7711, 0.3342,
0.1692

■ 40.1281, 0.3137,
0.3181

■ 12.1603, 0.3363,
0.1646

■ 47.0860, 0.3117,
0.3402

■ 11.9445, 0.3373,
0.1632

■ 54.9560, 0.3099,
0.3611

■ 63.7694, 0.3084,
0.3806

■ 73.5563, 0.3070,
0.3986

■ 84.0881, 0.3058,
0.4147

Harmonies

Analogous

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



20.7198, 0.2398, 0.1996



20.7198, 0.3237, 0.2271



20.7198, 0.4173, 0.2747

Triad

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



20.7198, 0.3237, 0.2271



20.7198, 0.4431, 0.4607



20.7198, 0.1685, 0.2872

Complementary

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



20.7198, 0.3237, 0.2271



34.5543, 0.3029, 0.4581

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.



20.7198, 0.2094, 0.3844



20.7198, 0.3237, 0.2271



20.7198, 0.3672, 0.4981

Square

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



20.7198, 0.3237, 0.2271



20.7198, 0.4882, 0.3988



20.7198, 0.2818, 0.4737



20.7198, 0.1613, 0.2238

Rectangle

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



20.7198, 0.3237, 0.2271



20.7198, 0.4658, 0.3136



20.7198, 0.2818, 0.4737



20.7198, 0.1782, 0.3168

Sweetspot

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



20.7207, 0.3237, 0.2271



63.4742, 0.3156, 0.2990



14.4467, 0.2334, 0.1930



13.2706, 0.3161, 0.2939



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.



20.7207, 0.3237, 0.2271



32.2170, 0.3265, 0.2074



19.4605, 0.3756, 0.2771



8.6373, 0.3147, 0.3079



8.7661, 0.3371, 0.1631



0.2786, 0.3322, 0.1604

Inverse Universe

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



20.7207, 0.3237, 0.2271



32.2170, 0.3265, 0.2074



35.5023, 0.2765, 0.3891



8.6373, 0.3147, 0.3079



8.7661, 0.3371, 0.1631



0.2786, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 20.7198, 0.3237, 0.2271 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 20.7198, 0.3237, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

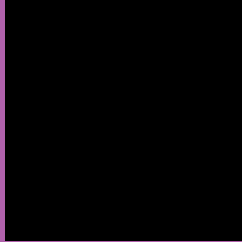
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7198, 0.3237, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 20.7198, 0.3237, 0.2271.



This preview shows how white text looks on a background with the Yxy color 20.7198, 0.3237, 0.2271.

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

20.7198, 0.3237, 0.2271

Protanopia

21.0903, 0.2306, 0.2180

Deuteranopia

20.8815, 0.2624, 0.2573



Tritanopia

20.6566, 0.3841, 0.3168

Trichromacy



Original Color

20.7198, 0.3237, 0.2271

Protanomaly

20.2045, 0.2574, 0.2183

Deuteranomaly

20.2651, 0.2821, 0.2426

Tritanomaly

20.6799, 0.3615, 0.2813

Monochromacy



Original Color

20.7198, 0.3237, 0.2271

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

20.8472, 0.3173, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7198, 0.3237, 0.2271 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(176, 97, 171)` looks like.

```
.text, #text, p{  
    color:rgb(176, 97, 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(176, 97, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 97, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.7198, 0.3237, 0.2271 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(176, 97, 171) }
```

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

```
.border{ border-color:rgb(176, 97, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 97, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 97, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 97, 171);  
box-shadow:4px 4px 4px 4px rgb(176, 97,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7198, 0.3237, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 97, 171) }
```

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

```
.background{ background-color: rgb(176, 97,  
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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