

Converting Colors

$Y_{xy}(19.3713, 0.2879, 0.1728)$

Have a look what the booklet for
Yxy(19.3713, 0.2879, 0.1728)
contains.

Yxy(19.3700, 0.2877, 0.1729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.3700, 0.2877, 0.1729)

Conversions

Conversions Part 1

Format	Color
Hex	B24ECE
RGB	178, 78, 206
RGB Percent	70%, 31%, 81%
CMY	0.3018, 0.6942, 0.1922
CMYK	0.14, 0.62, 0.00, 0.19
HSL	287°, 57%, 56%
HSV	287°, 62%, 81%
XYZ	32.2311, 19.3700, 60.4290
YIQ	122.4920, 18.5120, 61.0080

Conversions

Conversions Part 2

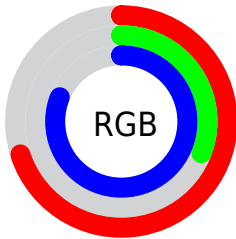
Format	Color
RYB	178, 78, 206
Decimal	11685582
CIELab	51.12, 59.37, -48.64
CIElCh	51, 76.751, 320.675
Yxy	19.3700, 0.2877, 0.1729
Android (android.graphics.Color)	4289875662 (0xFFB24ECE)
YUV	122.4920, 41.1694, 48.6805
Hunter-Lab	44.0114, 53.7019, -50.5991

Details

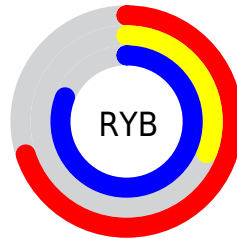
The Yxy color **19.3700, 0.2877, 0.1729** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **47.7497, 0.3193, 0.5190**, and the grayscale version is **19.4880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8279, 0.3016, 0.2067**, and **6.7136, 0.2738, 0.1334** is the 20% darker color. If you saturate the color by 10%, you get **16.3656, 0.2820, 0.1539**, and if you desaturate by 10%, it is **23.3098, 0.2931, 0.1953**.

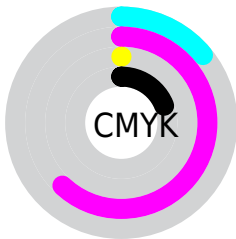
Distribution



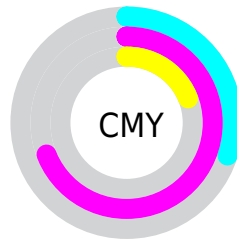
- Red (70%)
- Green (31%)
- Blue (81%)



- Red (70%)
- Yellow (31%)
- Blue (81%)



- Cyan (14%)
- Magenta (62%)
- Yellow (0%)
- Black (19%)





- Cyan (30%)
- Magenta (69%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3700, 0.2877, 0.1729 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 19.3700, 0.2877, 0.1729 by changing the saturation by 10% instead.


 19.3700, 0.2877,
0.1729


 19.3700, 0.2877,
0.1729


248.4838, 0.3050,
0.2494


 11.9379, 0.2819,
0.1551


 42.3584, 0.2951,
0.1999


 6.7014, 0.2735,
0.1333


 58.6835, 0.2976,
0.2103

 3.2761, 0.2610,
0.1065


 78.7417, 0.2995,
0.2192

 1.2775, 0.2413,
0.0740

 102.9175, 0.3011,
0.2269

 0.1237, 0.2133,
0.0147

 131.5952, 0.3023,
0.2336

 0.0000, 0.1434,
0.0000

165.1592, 0.3034,

 0.0000, 0.0000,

0.2395

0.0000

203.9940, 0.3042,
0.2447

■ 19.3700, 0.2877,
0.1729

■ 19.3700, 0.2877,
0.1729

■ 16.3656, 0.2820,
0.1539

■ 23.3098, 0.2931,
0.1953

■ 14.2050, 0.2761,
0.1392

■ 28.2603, 0.2981,
0.2202

■ 12.7825, 0.2703,
0.1291

■ 34.2915, 0.3025,
0.2464

■ 12.0345, 0.2658,
0.1238

■ 41.4669, 0.3063,
0.2729

■ 49.8447, 0.3096,
0.2989

■ 59.4793, 0.3122,
0.3238

■ 70.4215, 0.3144,
0.3473

■ 82.7195, 0.3161,
0.3690

■ 90.9622, 0.3180,
0.3808

Harmonies

Analogous

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



19.3700, 0.1808, 0.1454



19.3700, 0.2877, 0.1729



19.3700, 0.4351, 0.2279

Triad

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



19.3700, 0.2877, 0.1729



19.3700, 0.5079, 0.4710



19.3700, 0.1170, 0.2898

Complementary

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



19.3700, 0.2877, 0.1729



47.7497, 0.3193, 0.5190

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.



19.3700, 0.1773, 0.4637



19.3700, 0.2877, 0.1729



19.3700, 0.4004, 0.5659

Square

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



19.3700, 0.2877, 0.1729



19.3700, 0.5737, 0.3787



19.3700, 0.2825, 0.5920



19.3700, 0.1029, 0.1880

Rectangle

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



19.3700, 0.2877, 0.1729



19.3700, 0.5233, 0.2748



19.3700, 0.2825, 0.5920



19.3700, 0.1313, 0.3418

Sweetspot

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



19.3708, 0.2877, 0.1729



70.9363, 0.3073, 0.2805



16.7672, 0.2024, 0.1729



14.3855, 0.3063, 0.2729



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.3708, 0.2877, 0.1729



25.0405, 0.2797, 0.1479



21.5392, 0.3619, 0.2189



11.2754, 0.3103, 0.3059



7.4548, 0.2666, 0.1242



0.4160, 0.2778, 0.1304

Inverse Universe

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



19.6053, 0.4651, 0.2963



25.9291, 0.5206, 0.2958



46.9312, 0.2871, 0.4788



11.2531, 0.3256, 0.3240



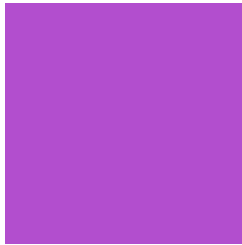
8.2086, 0.6006, 0.3083



0.4351, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 19.3700, 0.2877, 0.1729 looks on a white background.

Color Contrast Check

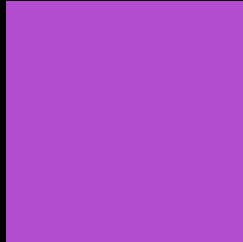
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3700, 0.2877, 0.1729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

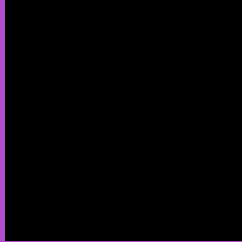
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3700, 0.2877, 0.1729

Background



This preview shows how black text looks on a background with the Yxy color 19.3700, 0.2877, 0.1729.

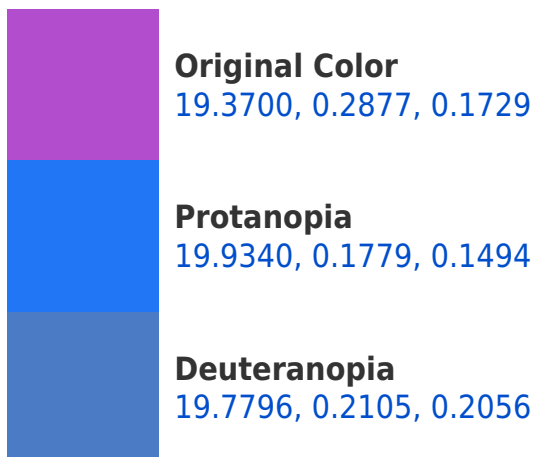


This preview shows how white text looks on a background with the Yxy color 19.3700, 0.2877, 0.1729.

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





Tritanopia

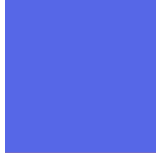
19.2947, 0.3864, 0.3166

Trichromacy



Original Color

19.3700, 0.2877, 0.1729



Protanomaly

17.4485, 0.1953, 0.1475



Deuteranomaly

18.2431, 0.2297, 0.1853



Tritanomaly

18.8370, 0.3475, 0.2524

Monochromacy



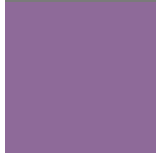
Original Color

19.3700, 0.2877, 0.1729



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.3588, 0.3024, 0.2517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3700, 0.2877, 0.1729 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(178, 78, 206)` looks like.

```
.text, #text, p{  
    color:rgb(178, 78, 206)  
}
```

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(178, 78, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 78, 206) }
```

Border

The CSS property to change the border of an element to Yxy 19.3700, 0.2877, 0.1729 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(178, 78, 206) }
```

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

```
.border{ border-color:rgb(178, 78, 206) }
```

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

Here you see how a box with a 4 pixel rgb(178, 78, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 78, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 78, 206);  
box-shadow:4px 4px 4px 4px rgb(178, 78,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3700, 0.2877, 0.1729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 78, 206) }
```

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

```
.background{ background-color: rgb(178, 78,  
206) }
```

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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