

Converting Colors

$Y_{xy}(30.2957, 0.2727, 0.1945)$

Have a look what the booklet for
Yxy(30.2957, 0.2727, 0.1945)
contains.

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Color

Yxy(30.2957, 0.2727, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	BB79EC
RGB	187, 121, 236
RGB Percent	73%, 47%, 93%
CMY	0.2666, 0.5255, 0.0744
CMYK	0.21, 0.49, 0.00, 0.07
HSL	274°, 75%, 70%
HSV	274°, 49%, 93%
XYZ	42.4763, 30.2957, 82.9900
YIQ	153.8440, 2.4210, 49.7570

Conversions

Conversions Part 2

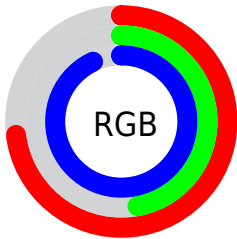
Format	Color
RYB	187, 121, 236
Decimal	12286444
CIELab	61.91, 46.46, -48.37
CIElCh	62, 67.066, 313.848
Yxy	30.2957, 0.2727, 0.1945
Android (android.graphics.Color)	4290476524 (0xFFBB79EC)
YUV	153.8440, 40.5029, 29.0778
Hunter-Lab	55.0415, 41.4282, -50.8666

Details

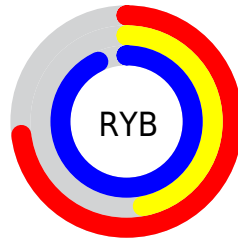
The Yxy color **30.2957, 0.2727, 0.1945** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **69.9375, 0.3360, 0.4696**, and the grayscale version is **32.0619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2924, 0.3085, 0.2488**, and **12.5009, 0.2575, 0.1627** is the 20% darker color. If you saturate the color by 10%, you get **24.0209, 0.2616, 0.1672**, and if you desaturate by 10%, it is **38.0649, 0.2830, 0.2233**.

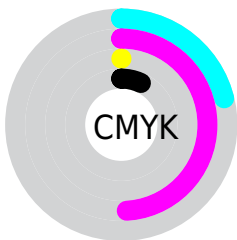
Distribution



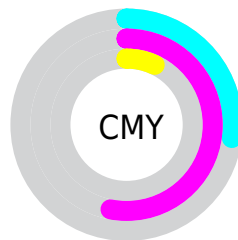
- Red (73%)
- Green (47%)
- Blue (93%)



- Red (73%)
- Yellow (47%)
- Blue (93%)



- Cyan (21%)
- Magenta (49%)
- Yellow (0%)
- Black (7%)




- Cyan (27%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2957, 0.2727, 0.1945 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 30.2957, 0.2727, 0.1945 by changing the saturation by 10% instead.

 30.2957, 0.2727,
0.1945


 30.2957, 0.2727,
0.1945


303.2804, 0.2955,
0.2580

 20.0631, 0.2664,
0.1801

 60.1295, 0.2815,
0.2165

 12.4410, 0.2580,
0.1627


 80.4995, 0.2847,
0.2251

 7.0447, 0.2465,
0.1411


 105.0175, 0.2873,
0.2325

 3.4901, 0.2301,
0.1143

134.0678, 0.2895,
0.2389

 1.3926, 0.2057,
0.0812

168.0349, 0.2913,
0.2446

 0.2113, 0.1707,
0.0251

207.3030, 0.2929,

 0.0000, 0.0802,

0.2496


0.0000


252.2567, 0.2943,
0.2540


 0.0000, 0.0000,
0.0000


 30.2957, 0.2727,
0.1945

 30.2957, 0.2727,
0.1945

 24.0209, 0.2616,
0.1672


 38.0649, 0.2830,
0.2233


 19.1309, 0.2501,
0.1428


 47.4203, 0.2923,
0.2522


 15.5064, 0.2385,
0.1226


 58.4503, 0.3004,
0.2804

 13.0052, 0.2275,
0.1075


 71.2358, 0.3075,
0.3072

 11.4173, 0.2173,
0.0975

 85.8522, 0.3134,
0.3320

 11.2464, 0.2161,
0.0964

 97.4174, 0.3189,
0.3476

 98.8380, 0.3238,
0.3473

Harmonies

Analogous

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



30.2957, 0.1933, 0.1768



30.2957, 0.2727, 0.1945



30.2957, 0.3815, 0.2371

Triad

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



30.2957, 0.2727, 0.1945



30.2957, 0.4922, 0.4403



30.2957, 0.1645, 0.3305

Complementary

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



30.2957, 0.2727, 0.1945



69.9375, 0.3360, 0.4696

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.



30.2957, 0.2284, 0.4552



30.2957, 0.2727, 0.1945



30.2957, 0.4166, 0.5077

Square

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



30.2957, 0.2727, 0.1945



30.2957, 0.5217, 0.3666



30.2957, 0.3211, 0.5282



30.2957, 0.1402, 0.2353

Rectangle

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



30.2957, 0.2727, 0.1945



30.2957, 0.4526, 0.2761



30.2957, 0.3211, 0.5282



30.2957, 0.1814, 0.3718

Sweetspot

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



30.2969, 0.2727, 0.1945



75.0156, 0.3031, 0.2905



39.1889, 0.2323, 0.2423



15.3891, 0.3016, 0.2847



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.



30.2969, 0.2727, 0.1945



28.9595, 0.2622, 0.1685



37.1329, 0.3254, 0.2177



14.9756, 0.3070, 0.3053



6.2753, 0.2176, 0.0972



0.5493, 0.2314, 0.1049

Inverse Universe

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



34.4141, 0.3889, 0.2748



34.7033, 0.4123, 0.2661



65.6499, 0.3018, 0.4737



15.1606, 0.3226, 0.3190



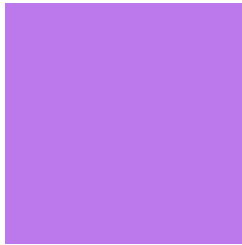
10.3678, 0.5267, 0.2675



0.8330, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 30.2957, 0.2727, 0.1945 looks on a white background.

Color Contrast Check

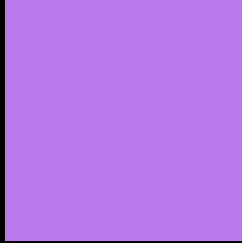
Large Text (above 18pt) WCAG AA × Fail

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 30.2957, 0.2727, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

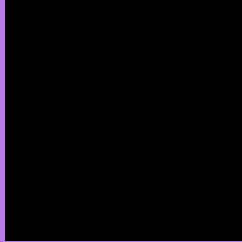
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2957, 0.2727, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 30.2957, 0.2727, 0.1945.

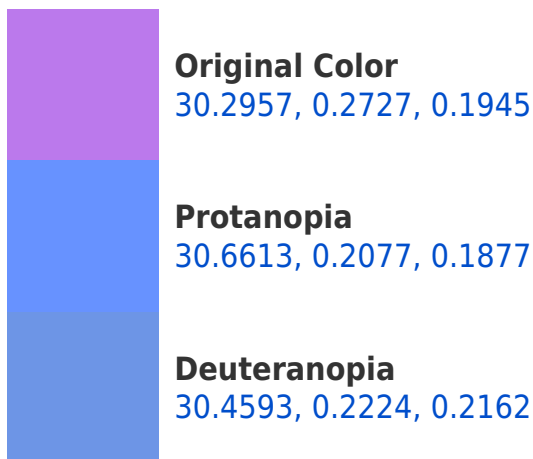


This preview shows how white text looks on a background with the Yxy color 30.2957, 0.2727, 0.1945.

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

30.2010, 0.3362, 0.3131

Trichromacy



Original Color

30.2957, 0.2727, 0.1945

Protanomaly

29.7370, 0.2259, 0.1881

Deuteranomaly

29.6098, 0.2369, 0.2056

Tritanomaly

29.9341, 0.3106, 0.2624

Monochromacy



Original Color

30.2957, 0.2727, 0.1945

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.9137, 0.2974, 0.2700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2957, 0.2727, 0.1945 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(187, 121, 236)` looks like.

```
.text, #text, p{  
    color:rgb(187, 121, 236)  
}
```

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(187, 121, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 121, 236) }
```

Border

The CSS property to change the border of an element to Yxy 30.2957, 0.2727, 0.1945 is called "border". The border property can be set on classes, ids or directly on the HTML element.

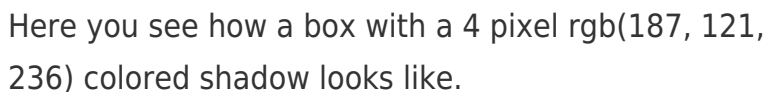
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 121, 236) }
```

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

```
.border{ border-color:rgb(187, 121, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 121, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 121, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 121, 236); box-shadow:4px 4px 4px 4px rgb(187, 121, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2957, 0.2727, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 121, 236) }
```

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

```
.background{ background-color: rgb(187,  
121, 236) }
```

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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