

Converting Colors

$Y_{xy}(28.3629, 0.2733, 0.1947)$

Have a look what the booklet for
Yxy(28.3629, 0.2733, 0.1947)
contains.

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Color

Yxy(28.3248, 0.2733, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	B675E5
RGB	182, 117, 229
RGB Percent	71%, 46%, 90%
CMY	0.2862, 0.5412, 0.1019
CMYK	0.21, 0.49, 0.00, 0.10
HSL	275°, 68%, 68%
HSV	275°, 49%, 90%
XYZ	39.8003, 28.3248, 77.5036
YIQ	149.2030, 2.7880, 48.6120

Conversions

Conversions Part 2

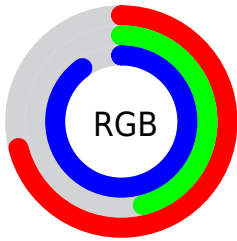
Format	Color
R _Y B	182, 117, 229
Decimal	11957733
CIE _{Lab}	60.18, 45.70, -47.23
CIE _{LCh}	60, 65.721, 314.061
Y _{xy}	28.3248, 0.2733, 0.1945
Android (android.graphics.Color)	4290147813 (0xFFB675E5)
Y _{UV}	149.2030, 39.3399, 28.7630
Hunter-Lab	53.2210, 40.3510, -49.0869

Details

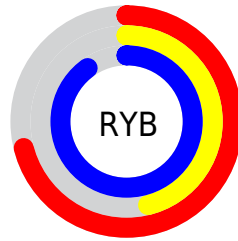
The Yxy color **28.3248, 0.2733, 0.1945** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **65.2168, 0.3355, 0.4702**, and the grayscale version is **29.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8711, 0.3047, 0.2439**, and **11.3492, 0.2577, 0.1616** is the 20% darker color. If you saturate the color by 10%, you get **22.4971, 0.2624, 0.1674**, and if you desaturate by 10%, it is **35.5400, 0.2834, 0.2231**.

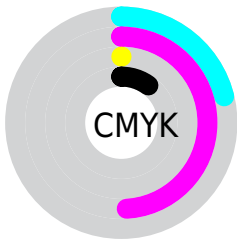
Distribution



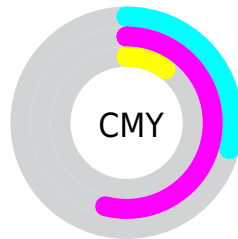
- Red (71%)
- Green (46%)
- Blue (90%)



- Red (71%)
- Yellow (46%)
- Blue (90%)



- Cyan (21%)
- Magenta (49%)
- Yellow (0%)
- Black (10%)




- Cyan (29%)
- Magenta (54%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3248, 0.2733, 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 28.3248, 0.2733, 0.1945 by changing the saturation by 10% instead.

 28.3248, 0.2733,
0.1945

 28.3248, 0.2733,
0.1945


294.0157, 0.2960,
0.2587

 18.5706, 0.2669,
0.1798


 57.0026, 0.2822,
0.2169

 11.3604, 0.2583,
0.1618


 76.6950, 0.2853,
0.2256

 6.3098, 0.2465,
0.1395


 100.4690, 0.2879,
0.2331

 3.0344, 0.2293,
0.1116

128.7089, 0.2901,
0.2396

 1.1497, 0.2033,
0.0771

161.7991, 0.2919,
0.2453

 0.0200, 0.1681,
0.0029

200.1240, 0.2935,

 0.0000, 0.0303,


0.2503

0.0000

244.0681, 0.2949,
0.2547


 0.0000, 0.0000,
0.0000


 28.3248, 0.2733,
0.1945


 28.3248, 0.2733,
0.1945

 22.4971, 0.2624,
0.1674


 35.5400, 0.2834,
0.2231

 17.9551, 0.2511,
0.1432


 44.2281, 0.2925,
0.2519


 14.5878, 0.2397,
0.1232

 54.4712, 0.3006,
0.2801


 12.2633, 0.2288,
0.1082

 66.3443, 0.3075,
0.3068


 10.7799, 0.2187,
0.0982

 79.9176, 0.3133,
0.3316

 10.6407, 0.2177,
0.0973

 95.2570, 0.3182,
0.3544

 97.3653, 0.3243,
0.3545

 98.4376, 0.3280,
0.3542

Harmonies

Analogous

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



28.3248, 0.1935, 0.1765



28.3248, 0.2733, 0.1945



28.3248, 0.3825, 0.2373

Triad

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



28.3248, 0.2733, 0.1945



28.3248, 0.4920, 0.4409



28.3248, 0.1640, 0.3296

Complementary

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



28.3248, 0.2733, 0.1945



65.2168, 0.3355, 0.4702

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.



28.3248, 0.2276, 0.4547



28.3248, 0.2733, 0.1945



28.3248, 0.4161, 0.5084

Square

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



28.3248, 0.2733, 0.1945



28.3248, 0.5221, 0.3671



28.3248, 0.3204, 0.5285



28.3248, 0.1399, 0.2346

Rectangle

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



28.3248, 0.2733, 0.1945



28.3248, 0.4535, 0.2764



28.3248, 0.3204, 0.5285



28.3248, 0.1807, 0.3709

Sweetspot

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



28.3259, 0.2733, 0.1945



75.0602, 0.3033, 0.2905



36.5410, 0.2321, 0.2421



15.3999, 0.3018, 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.



28.3259, 0.2733, 0.1945



28.4249, 0.2619, 0.1663



34.6288, 0.3254, 0.2176



14.2983, 0.3071, 0.3054



6.1556, 0.2191, 0.0981



0.5092, 0.2336, 0.1060

Inverse Universe

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



32.0589, 0.3900, 0.2756



34.0859, 0.4162, 0.2663



61.2911, 0.3018, 0.4740



14.4678, 0.3227, 0.3192



10.0304, 0.5292, 0.2689



0.7594, 0.4917, 0.2482

Previews

White Background



This preview shows how the Yxy color 28.3248, 0.2733, 0.1945 looks on a white background.

Color Contrast Check

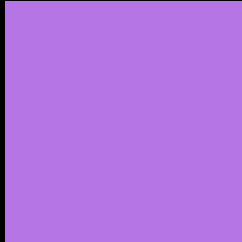
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3248, 0.2733, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

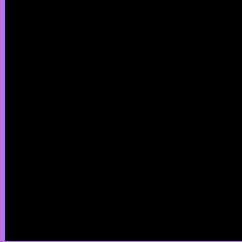
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3248, 0.2733, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 28.3248, 0.2733, 0.1945.

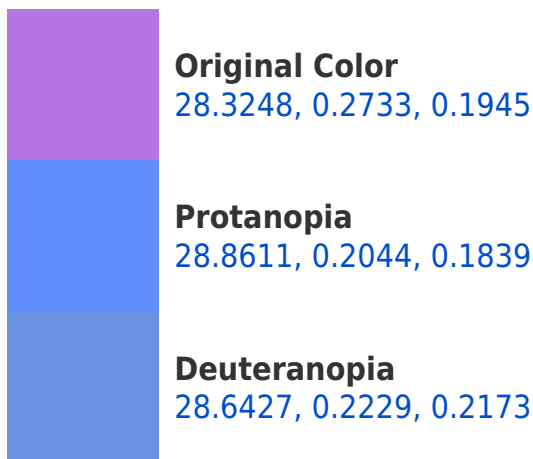


This preview shows how white text looks on a background with the Yxy color 28.3248, 0.2733, 0.1945.

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

28.4329, 0.3379, 0.3142

Trichromacy



Original Color

28.3248, 0.2733, 0.1945



Protanomaly

27.8187, 0.2224, 0.1849



Deuteranomaly

27.8325, 0.2380, 0.2064



Tritanomaly

28.1383, 0.3126, 0.2635

Monochromacy



Original Color

28.3248, 0.2733, 0.1945



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6827, 0.2979, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3248, 0.2733, 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(182, 117, 229)` looks like.

```
.text, #text, p{  
    color:rgb(182, 117, 229)  
}
```

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(182, 117, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 117, 229) }
```

Border

The CSS property to change the border of an element to Yxy 28.3248, 0.2733, 0.1945 is called "border". The border property can be set on classes, ids or directly on the HTML element.

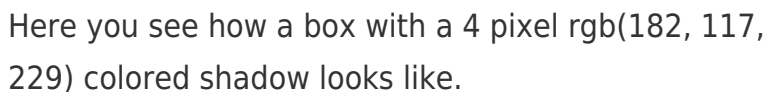
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 117, 229) }
```

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

```
.border{ border-color:rgb(182, 117, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(182, 117, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 117, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 117, 229);  
box-shadow:4px 4px 4px 4px rgb(182, 117,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3248, 0.2733, 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(182, 117, 229) }
```

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

```
.background{ background-color: rgb(182,  
117, 229) }
```

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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