

Converting Colors

$Y_{xy}(27.6120, 0.2802, 0.1996)$

Have a look what the booklet for
Yxy(27.6120, 0.2802, 0.1996)
contains.

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Color

Yxy(27.5492, 0.2806, 0.1997)

Conversions

Conversions Part 1

Format	Color
Hex	B773DD
RGB	183, 115, 221
RGB Percent	72%, 45%, 87%
CMY	0.2824, 0.5490, 0.1333
CMYK	0.17, 0.48, 0.00, 0.13
HSL	278°, 61%, 66%
HSV	278°, 48%, 87%
XYZ	38.7096, 27.5492, 71.6941
YIQ	147.4160, 6.5020, 47.3820

Conversions

Conversions Part 2

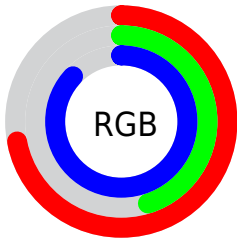
Format	Color
R _{YB}	183, 115, 221
Decimal	12022749
CIE _{Lab}	59.48, 45.28, -43.86
CIE _{LCh}	59, 63.038, 315.913
Y _{xy}	27.5492, 0.2806, 0.1997
Android (android.graphics.Color)	4290212829 (0xFFB773DD)
YUV	147.4160, 36.2769, 31.2072
Hunter-Lab	52.4873, 39.7915, -44.2450

Details

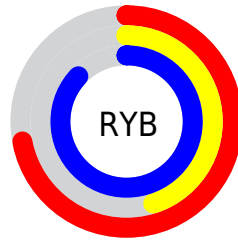
The Yxy color **27.5492, 0.2806, 0.1997** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **59.7345, 0.3305, 0.4690**, and the grayscale version is **29.2043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2967, 0.3055, 0.2421**, and **10.9726, 0.2684, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **22.1545, 0.2714, 0.1735**, and if you desaturate by 10%, it is **34.2091, 0.2891, 0.2274**.

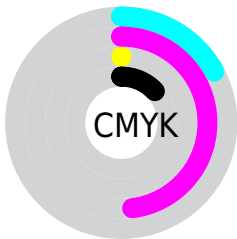
Distribution



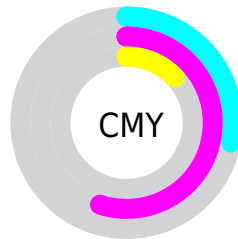
- Red (72%)
- Green (45%)
- Blue (87%)



- Red (72%)
- Yellow (45%)
- Blue (87%)



- Cyan (17%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)




- Cyan (28%)
- Magenta (55%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5492, 0.2806, 0.1997 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 27.5492, 0.2806, 0.1997 by changing the saturation by 10% instead.

 27.5492, 0.2806,
0.1997


 27.5492, 0.2806,
0.1997


290.3065, 0.2996,
0.2621


 17.9861, 0.2750,
0.1852


 55.7639, 0.2881,
0.2217

 10.9400, 0.2675,
0.1673


 75.1843, 0.2908,
0.2301

 6.0265, 0.2569,
0.1449


 98.6593, 0.2930,
0.2374

 2.8612, 0.2412,
0.1165

126.5732, 0.2948,
0.2437

 1.0597, 0.2165,
0.0809

159.3105, 0.2963,
0.2491

 0.0000, 0.1827,
0.0000

197.2556, 0.2976,

 0.0000, 0.0000,

0.2540

0.0000

240.7928, 0.2987,
0.2583

■ 27.5492, 0.2806,
0.1997

■ 27.5492, 0.2806,
0.1997

■ 22.1545, 0.2714,
0.1735

■ 34.2091, 0.2891,
0.2274

■ 17.9329, 0.2617,
0.1502

■ 42.2108, 0.2966,
0.2555

■ 14.7850, 0.2519,
0.1308

■ 51.6287, 0.3032,
0.2830

■ 12.5928, 0.2424,
0.1163

■ 62.5305, 0.3089,
0.3093


■ 11.1898, 0.2333,
0.1066


■ 74.9796, 0.3136,
0.3338

 10.9487, 0.2315,
0.1049

 89.0357, 0.3175,
0.3565

 95.0025, 0.3221,
0.3632

 96.4089, 0.3272,
0.3627

 97.8765, 0.3323,
0.3622

Harmonies

Analogous

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



27.5492, 0.2004, 0.1805



27.5492, 0.2806, 0.1997



27.5492, 0.3873, 0.2430

Triad

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



27.5492, 0.2806, 0.1997



27.5492, 0.4843, 0.4437



27.5492, 0.1654, 0.3231

Complementary

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



27.5492, 0.2806, 0.1997



59.7345, 0.3305, 0.4690

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.



27.5492, 0.2256, 0.4432



27.5492, 0.2806, 0.1997



27.5492, 0.4090, 0.5069

Square

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



27.5492, 0.2806, 0.1997



27.5492, 0.5162, 0.3716



27.5492, 0.3152, 0.5199



27.5492, 0.1437, 0.2335

Rectangle

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



27.5492, 0.2806, 0.1997



27.5492, 0.4547, 0.2820



27.5492, 0.3152, 0.5199



27.5492, 0.1812, 0.3623

Sweetspot

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



27.5503, 0.2806, 0.1997



76.9513, 0.3055, 0.2933



31.9371, 0.2319, 0.2340



15.7908, 0.3042, 0.2875



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.



27.5503, 0.2806, 0.1997



30.3054, 0.2709, 0.1723



32.1368, 0.3324, 0.2263



13.0291, 0.3081, 0.3056



6.4251, 0.2329, 0.1056



0.4641, 0.2473, 0.1136

Inverse Universe

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



29.9386, 0.3958, 0.2841



34.3397, 0.4251, 0.2761



56.9550, 0.2983, 0.4603



13.1283, 0.3236, 0.3206



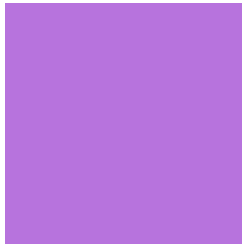
9.2799, 0.5532, 0.2821



0.6173, 0.5080, 0.2572

Previews

White Background



This preview shows how the Yxy color 27.5492, 0.2806, 0.1997 looks on a white background.

Color Contrast Check

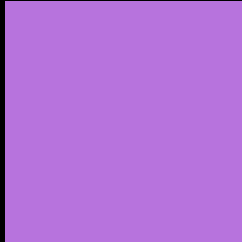
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5492, 0.2806, 0.1997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

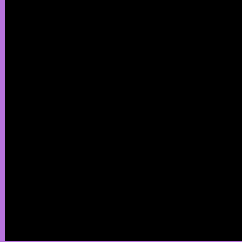
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5492, 0.2806, 0.1997

Background



This preview shows how black text looks on a background with the Yxy color 27.5492, 0.2806, 0.1997.



This preview shows how white text looks on a background with the Yxy color 27.5492, 0.2806, 0.1997.

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

27.5492, 0.2806, 0.1997

Protanopia

27.9405, 0.2083, 0.1886

Deuteranopia

27.9178, 0.2284, 0.2226



Tritanopia

27.4466, 0.3443, 0.3128

Trichromacy



Original Color

27.5492, 0.2806, 0.1997



Protanomaly

27.0346, 0.2280, 0.1899



Deuteranomaly

27.1554, 0.2442, 0.2114



Tritanomaly

27.0142, 0.3191, 0.2645

Monochromacy



Original Color

27.5492, 0.2806, 0.1997



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8575, 0.3006, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5492, 0.2806, 0.1997 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(183, 115, 221)` looks like.

```
.text, #text, p{  
    color:rgb(183, 115, 221)  
}
```

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(183, 115, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 115, 221) }
```

Border

The CSS property to change the border of an element to Yxy 27.5492, 0.2806, 0.1997 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(183, 115, 221) }
```

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

```
.border{ border-color:rgb(183, 115, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 115, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 115, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 115, 221);  
box-shadow:4px 4px 4px 4px rgb(183, 115,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5492, 0.2806, 0.1997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 115, 221) }
```

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

```
.background{ background-color: rgb(183,  
115, 221) }
```

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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