

Converting Colors

$Y_{xy}(27.0788, 0.2786, 0.1979)$

Have a look what the booklet for
Yxy(27.0788, 0.2786, 0.1979)
contains.

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Color

Yxy(27.0788, 0.2786, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	B572DD
RGB	181, 114, 221
RGB Percent	71%, 45%, 87%
CMY	0.2903, 0.5529, 0.1333
CMYK	0.18, 0.48, 0.00, 0.13
HSL	278°, 61%, 66%
HSV	278°, 48%, 87%
XYZ	38.1210, 27.0788, 71.6309
YIQ	146.2310, 5.5850, 47.4810

Conversions

Conversions Part 2

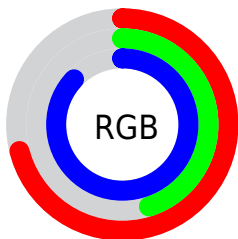
Format	Color
R_{YB}	181, 114, 221
Decimal	11891421
CIE _{Lab}	59.05, 45.25, -44.55
CIE _{LCh}	59, 63.505, 315.447
Yxy	27.0788, 0.2786, 0.1979
Android (android.graphics.Color)	4290081501 (0xFFB572DD)
YUV	146.2310, 36.8611, 30.4924
Hunter-Lab	52.0373, 39.6987, -45.1883

Details

The Yxy color **27.0788, 0.2786, 0.1979** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **59.8084, 0.3318, 0.4699**, and the grayscale version is **28.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5760, 0.3039, 0.2407**, and **10.7072, 0.2657, 0.1656** is the 20% darker color. If you saturate the color by 10%, you get **21.7113, 0.2690, 0.1715**, and if you desaturate by 10%, it is **33.7123, 0.2875, 0.2258**.

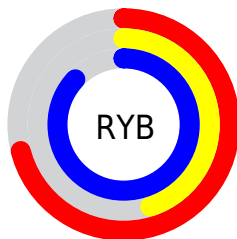
Distribution



Red (71%)

Green (45%)

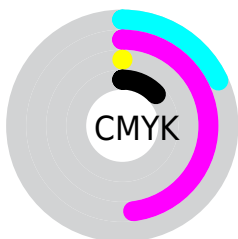
Blue (87%)



Red (71%)

Yellow (45%)

Blue (87%)

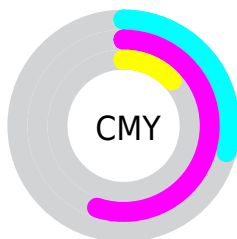


Cyan (18%)

Magenta (48%)

Yellow (0%)

Black (13%)



Cyan (29%)


Magenta (55%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0788, 0.2786, 0.1979 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 27.0788, 0.2786, 0.1979 by changing the saturation by 10% instead.


 27.0788, 0.2786,
0.1979


 27.0788, 0.2786,
0.1979


288.0385, 0.2987,
0.2612


 17.6324, 0.2727,
0.1832


 55.0103, 0.2866,
0.2202

 10.6864, 0.2648,
0.1650


 74.2642, 0.2894,
0.2288

 5.8564, 0.2537,
0.1424


 97.5560, 0.2917,
0.2361

 2.7579, 0.2372,
0.1137

125.2702, 0.2936,
0.2425

 1.0067, 0.2115,
0.0778

157.7912, 0.2952,
0.2481

 0.0000, 0.1755,
0.0000

195.5033, 0.2965,

 0.0000, 0.0000,

0.2530

0.0000

238.7909, 0.2977,
0.2573

■ 27.0788, 0.2786,
0.1979

■ 27.0788, 0.2786,
0.1979

■ 21.7113, 0.2690,
0.1715

■ 33.7123, 0.2875,
0.2258

■ 17.5171, 0.2589,
0.1480

■ 41.6888, 0.2955,
0.2541

■ 14.3961, 0.2487,
0.1286


■ 51.0831, 0.3024,
0.2818

■ 12.2291, 0.2387,
0.1140


■ 61.9632, 0.3084,
0.3081


■ 10.8405, 0.2294,
0.1043


■ 74.3930, 0.3135,
0.3328

 10.6513, 0.2280,
0.1029

 88.4322, 0.3176,
0.3555

 95.0678, 0.3223,
0.3632

 96.5391, 0.3276,
0.3626

 98.0010, 0.3327,
0.3621

Harmonies

Analogous

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



27.0788, 0.1982, 0.1790



27.0788, 0.2786, 0.1979



27.0788, 0.3864, 0.2412

Triad

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



27.0788, 0.2786, 0.1979



27.0788, 0.4868, 0.4433



27.0788, 0.1644, 0.3246

Complementary

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



27.0788, 0.2786, 0.1979



59.8084, 0.3318, 0.4699

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.



27.0788, 0.2256, 0.4467



27.0788, 0.2786, 0.1979



27.0788, 0.4110, 0.5080

Square

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



27.0788, 0.2786, 0.1979



27.0788, 0.5186, 0.3705



27.0788, 0.3164, 0.5231



27.0788, 0.1421, 0.2333

Rectangle

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



27.0788, 0.2786, 0.1979



27.0788, 0.4552, 0.2803



27.0788, 0.3164, 0.5231



27.0788, 0.1805, 0.3645

Sweetspot

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



27.0799, 0.2786, 0.1979



75.3629, 0.3045, 0.2906



32.2520, 0.2316, 0.2355



15.4729, 0.3032, 0.2849



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.



27.0799, 0.2786, 0.1979



29.9890, 0.2689, 0.1714



31.9918, 0.3308, 0.2237



13.0188, 0.3079, 0.3055



6.2535, 0.2293, 0.1037



0.4537, 0.2443, 0.1119

Inverse Universe

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



29.7465, 0.3948, 0.2818



34.4205, 0.4221, 0.2738



56.8160, 0.2991, 0.4643



13.1317, 0.3233, 0.3203



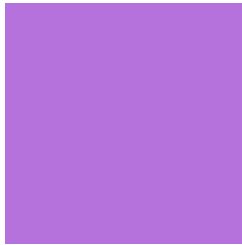
9.3102, 0.5471, 0.2787



0.6195, 0.5026, 0.2542

Previews

White Background



This preview shows how the Yxy color 27.0788, 0.2786, 0.1979 looks on a white background.

Color Contrast Check

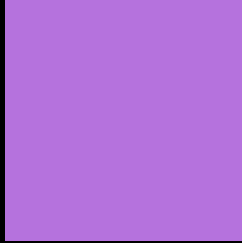
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0788, 0.2786, 0.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

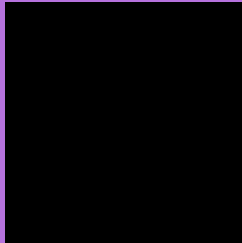
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0788, 0.2786, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 27.0788, 0.2786, 0.1979.



This preview shows how white text looks on a background with the Yxy color 27.0788, 0.2786, 0.1979.

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

27.0788, 0.2786, 0.1979

Protanopia

27.5383, 0.2070, 0.1869

Deuteranopia

27.4920, 0.2269, 0.2208



Tritanopia

27.1932, 0.3432, 0.3141

Trichromacy



Original Color

27.0788, 0.2786, 0.1979



Protanomaly

26.6106, 0.2264, 0.1881



Deuteranomaly

26.7154, 0.2424, 0.2096



Tritanomaly

26.7462, 0.3179, 0.2654

Monochromacy



Original Color

27.0788, 0.2786, 0.1979



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.4383, 0.3005, 0.2716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0788, 0.2786, 0.1979 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(181, 114, 221)` looks like.

```
.text, #text, p{  
    color:rgb(181, 114, 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(181, 114, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 114, 221) }
```

Border

The CSS property to change the border of an element to Yxy 27.0788, 0.2786, 0.1979 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(181, 114, 221) }
```

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

```
.border{ border-color:rgb(181, 114, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 114, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 114, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 114, 221);  
box-shadow:4px 4px 4px 4px rgb(181, 114,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0788, 0.2786, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 114, 221) }
```

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

```
.background{ background-color: rgb(181,  
114, 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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