

Converting Colors

$Y_{xy}(27.3919, 0.2565, 0.1981)$

Have a look what the booklet for
Yxy(27.3919, 0.2565, 0.1981)
contains.

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Color

Yxy(27.3799, 0.2564, 0.1981)

Conversions

Conversions Part 1

Format	Color
Hex	A07CE2
RGB	160, 124, 226
RGB Percent	63%, 49%, 89%
CMY	0.3725, 0.5138, 0.1136
CMYK	0.29, 0.45, 0.00, 0.11
HSL	261°, 64%, 69%
HSV	261°, 45%, 89%
XYZ	35.4377, 27.3799, 75.3949
YIQ	146.3920, -11.2860, 39.3540

Conversions

Conversions Part 2

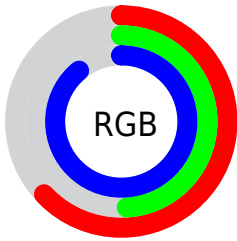
Format	Color
RYB	160, 124, 226
Decimal	10517730
CIELab	59.32, 35.20, -47.07
CIELCh	59, 58.773, 306.787
Yxy	27.3799, 0.2564, 0.1981
Android (android.graphics.Color)	4288707810 (0xFFA07CE2)
YUV	146.3920, 39.2467, 11.9342
Hunter-Lab	52.3258, 29.3191, -48.8014

Details

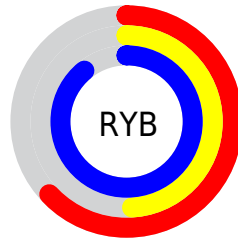
The Yxy color $27.3799, 0.2564, 0.1981$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $66.8173, 0.3516, 0.4511$, and the grayscale version is $28.7538, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.4160, 0.2869, 0.2457$, and $10.8031, 0.2366, 0.1646$ is the 20% darker color. If you saturate the color by 10%, you get $20.9308, 0.2403, 0.1667$, and if you desaturate by 10%, it is $35.3067, 0.2715, 0.2299$.

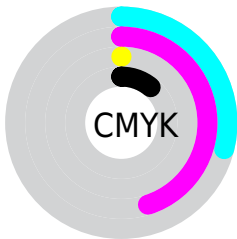
Distribution



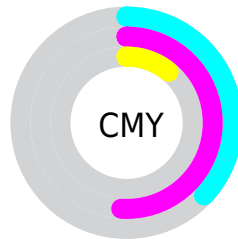
- Red (63%)
- Green (49%)
- Blue (89%)



- Red (63%)
- Yellow (49%)
- Blue (89%)



- Cyan (29%)
- Magenta (45%)
- Yellow (0%)
- Black (11%)





- Cyan (37%)
- Magenta (51%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3799, 0.2564, 0.1981 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 27.3799, 0.2564, 0.1981 by changing the saturation by 10% instead.


 27.3799, 0.2564,
0.1981


 27.3799, 0.2564,
0.1981


289.4919, 0.2875,
0.2617


 17.8587, 0.2480,
0.1832


 55.4929, 0.2682,
0.2206

 10.8486, 0.2369,
0.1649


 74.8535, 0.2725,
0.2292

 5.9651, 0.2219,
0.1420


 98.2627, 0.2761,
0.2366

 2.8239, 0.2006,
0.1131

126.1050, 0.2791,
0.2430

 1.0405, 0.1695,
0.0771

158.7646, 0.2817,
0.2486

 0.0000, 0.1273,
0.0000

196.6260, 0.2839,

 0.0000, 0.0000,

0.2535

0.0000

240.0737, 0.2858,
0.2579

■ 27.3799, 0.2564,
0.1981

■ 27.3799, 0.2564,
0.1981

■ 20.9308, 0.2403,
0.1667

■ 35.3067, 0.2715,
0.2299

■ 15.8602, 0.2239,
0.1375

■ 44.7953, 0.2852,
0.2607

■ 12.0613, 0.2080,
0.1121


■ 55.9269, 0.2973,
0.2897


■ 9.4094, 0.1935,
0.0924

■ 68.7764, 0.3079,
0.3163

■ 7.7526, 0.1812,
0.0791

■ 83.4137, 0.3169,
0.3404

 7.1893, 0.1761,
0.0744

 96.9259, 0.3251,
0.3575

 98.2730, 0.3297,
0.3571

Harmonies

Analogous

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



27.3799, 0.1901, 0.1877



27.3799, 0.2564, 0.1981



27.3799, 0.3516, 0.2331

Triad

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



27.3799, 0.2564, 0.1981



27.3799, 0.4899, 0.4192



27.3799, 0.1875, 0.3575

Complementary

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



27.3799, 0.2564, 0.1981



66.8173, 0.3516, 0.4511

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.



27.3799, 0.2556, 0.4641



27.3799, 0.2564, 0.1981



27.3799, 0.4298, 0.4825

Square

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



27.3799, 0.2564, 0.1981



27.3799, 0.5009, 0.3511



27.3799, 0.3444, 0.5113



27.3799, 0.1551, 0.2611

Rectangle

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



27.3799, 0.2564, 0.1981



27.3799, 0.4185, 0.2675



27.3799, 0.3444, 0.5113



27.3799, 0.2065, 0.3951

Sweetspot

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



27.3809, 0.2564, 0.1981



75.1791, 0.2985, 0.2926



46.7437, 0.2439, 0.2814



15.3598, 0.2961, 0.2865



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.



27.3809, 0.2564, 0.1981



28.1095, 0.2416, 0.1692



33.7152, 0.3032, 0.2142



13.4774, 0.3035, 0.3052



4.1602, 0.1776, 0.0752



0.3372, 0.1948, 0.0847

Inverse Universe

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



34.3063, 0.3546, 0.2541



38.5280, 0.3669, 0.2403



61.3827, 0.3155, 0.4663



13.8492, 0.3192, 0.3139



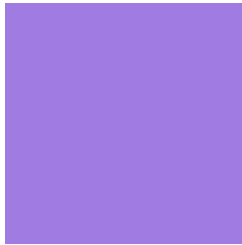
10.4356, 0.4346, 0.2168



0.7401, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 27.3799, 0.2564, 0.1981 looks on a white background.

Color Contrast Check

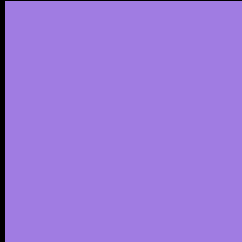
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3799, 0.2564, 0.1981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

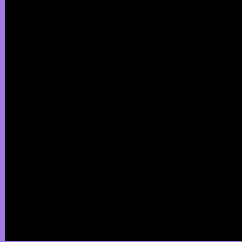
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3799, 0.2564, 0.1981

Background



This preview shows how black text looks on a background with the Yxy color 27.3799, 0.2564, 0.1981.



This preview shows how white text looks on a background with the Yxy color 27.3799, 0.2564, 0.1981.

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

27.3799, 0.2564, 0.1981

Protanopia

27.8141, 0.2109, 0.1925

Deuteranopia

27.7436, 0.2205, 0.2147



Tritanopia

27.4277, 0.3072, 0.3115

Trichromacy



Original Color

27.3799, 0.2564, 0.1981

Protanomaly

27.1859, 0.2239, 0.1929

Deuteranomaly

27.1470, 0.2314, 0.2074

Tritanomaly

27.1619, 0.2869, 0.2636

Monochromacy



Original Color

27.3799, 0.2564, 0.1981

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8514, 0.2906, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3799, 0.2564, 0.1981 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(160, 124, 226)` looks like.

```
.text, #text, p{  
    color:rgb(160, 124, 226)  
}
```

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(160, 124, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 124, 226) }
```

Border

The CSS property to change the border of an element to Yxy 27.3799, 0.2564, 0.1981 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(160, 124, 226) }
```

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

```
.border{ border-color:rgb(160, 124, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 124, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 124, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 124, 226);  
box-shadow:4px 4px 4px 4px rgb(160, 124,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3799, 0.2564, 0.1981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 124, 226) }
```

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

```
.background{ background-color: rgb(160,  
124, 226) }
```

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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