

Converting Colors

$Y_{xy}(27.9671, 0.2539, 0.1910)$

Have a look what the booklet for
Yxy(27.9671, 0.2539, 0.1910)
contains.

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Color

Yxy(27.9989, 0.2542, 0.1911)

Conversions

Conversions Part 1

Format	Color
Hex	A47BEA
RGB	164, 123, 234
RGB Percent	64%, 48%, 92%
CMY	0.3568, 0.5176, 0.0824
CMYK	0.30, 0.47, 0.00, 0.08
HSL	262°, 73%, 70%
HSV	262°, 47%, 92%
XYZ	37.2440, 27.9989, 81.2715
YIQ	147.9130, -11.1950, 43.2130

Conversions

Conversions Part 2

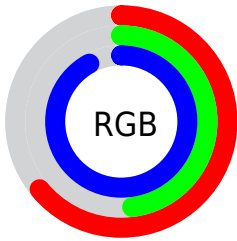
Format	Color
RYB	164, 123, 234
Decimal	10779626
CIELab	59.89, 38.78, -50.58
CIELCh	60, 63.737, 307.478
Yxy	27.9989, 0.2542, 0.1911
Android (android.graphics.Color)	4288969706 (0xFFA47BEA)
YUV	147.9130, 42.4409, 14.1083
Hunter-Lab	52.9140, 33.0393, -54.0248

Details

The Yxy color $27.9989, 0.2542, 0.1911$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $71.6011, 0.3519, 0.4583$, and the grayscale version is $29.4009, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.6428, 0.2899, 0.2453$, and $11.2306, 0.2344, 0.1574$ is the 20% darker color. If you saturate the color by 10%, you get $21.3923, 0.2383, 0.1603$, and if you desaturate by 10%, it is $36.1768, 0.2692, 0.2227$.

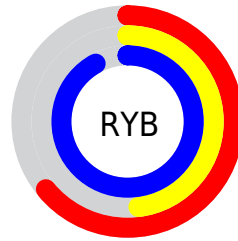
Distribution



Red (64%)

Green (48%)

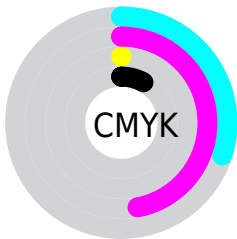
Blue (92%)



Red (64%)

Yellow (48%)

Blue (92%)

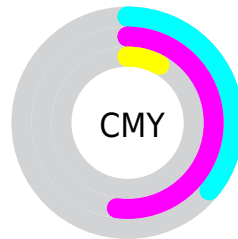


Cyan (30%)

Magenta (47%)

Yellow (0%)

Black (8%)



Cyan (36%)


Magenta (52%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9989, 0.2542, 0.1911 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 27.9989, 0.2542, 0.1911 by changing the saturation by 10% instead.


 27.9989, 0.2542,
0.1911


 27.9989, 0.2542,
0.1911


292.4617, 0.2864,
0.2572


 18.3248, 0.2456,
0.1760


 56.4827, 0.2664,
0.2142

 11.1834, 0.2343,
0.1575


 76.0612, 0.2709,
0.2231

 6.1904, 0.2191,
0.1347


 99.7100, 0.2746,
0.2308

 2.9612, 0.1979,
0.1064

127.8134, 0.2777,
0.2375

 1.1115, 0.1674,
0.0720

160.7559, 0.2804,
0.2434

 0.0000, 0.1270,
0.0000

198.9218, 0.2826,

 0.0000, 0.0000,

0.2485

0.0000

242.6956, 0.2847,
0.2531

■ 27.9989, 0.2542,
0.1911

■ 27.9989, 0.2542,
0.1911

■ 21.3923, 0.2383,
0.1603

■ 36.1768, 0.2692,
0.2227

■ 16.2471, 0.2222,
0.1319

■ 46.0193, 0.2830,
0.2538

■ 12.4440, 0.2067,
0.1080


■ 57.6158, 0.2952,
0.2832


■ 9.8422, 0.1928,
0.0898

■ 71.0485, 0.3058,
0.3104

■ 8.2566, 0.1810,
0.0780

■ 86.3943, 0.3149,
0.3351

 7.9403, 0.1783,
0.0756

 98.2533, 0.3234,
0.3494

 98.7197, 0.3250,
0.3493

Harmonies

Analogous

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



27.9989, 0.1838, 0.1793



27.9989, 0.2542, 0.1911



27.9989, 0.3565, 0.2283

Triad

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



27.9989, 0.2542, 0.1911



27.9989, 0.4997, 0.4236



27.9989, 0.1777, 0.3561

Complementary

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



27.9989, 0.2542, 0.1911



71.6011, 0.3519, 0.4583

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.



27.9989, 0.2484, 0.4739



27.9989, 0.2542, 0.1911



27.9989, 0.4334, 0.4925

Square

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



27.9989, 0.2542, 0.1911



27.9989, 0.5147, 0.3518



27.9989, 0.3422, 0.5257



27.9989, 0.1455, 0.2534

Rectangle

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



27.9989, 0.2542, 0.1911



27.9989, 0.4286, 0.2645



27.9989, 0.3422, 0.5257



27.9989, 0.1973, 0.3973

Sweetspot

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



28.0000, 0.2542, 0.1911



75.2781, 0.2989, 0.2926



48.4195, 0.2401, 0.2759



15.3837, 0.2965, 0.2866



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.



28.0000, 0.2542, 0.1911



26.1213, 0.2386, 0.1608



35.1951, 0.3042, 0.2091



14.8200, 0.3038, 0.3051



4.5282, 0.1798, 0.0764



0.4086, 0.1952, 0.0849

Inverse Universe

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



35.5052, 0.3597, 0.2522



36.5671, 0.3739, 0.2384



65.6534, 0.3143, 0.4750



15.2139, 0.3194, 0.3143



11.0480, 0.4415, 0.2206



0.8860, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 27.9989, 0.2542, 0.1911 looks on a white background.

Color Contrast Check

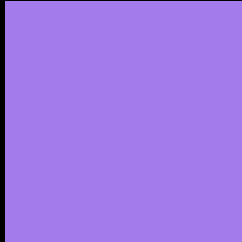
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9989, 0.2542, 0.1911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

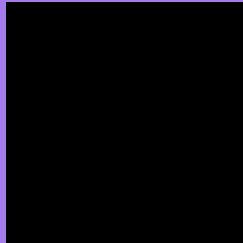
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9989, 0.2542, 0.1911

Background



This preview shows how black text looks on a background with the Yxy color 27.9989, 0.2542, 0.1911.



This preview shows how white text looks on a background with the Yxy color 27.9989, 0.2542, 0.1911.

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

27.9989, 0.2542, 0.1911

Protanopia

28.4477, 0.2040, 0.1833

Deuteranopia

28.3947, 0.2146, 0.2095



Tritanopia

27.9418, 0.3083, 0.3117

Trichromacy



Original Color

27.9989, 0.2542, 0.1911



Protanomaly

27.6358, 0.2178, 0.1838



Deuteranomaly

27.7258, 0.2260, 0.2005



Tritanomaly

27.5754, 0.2872, 0.2602

Monochromacy



Original Color

27.9989, 0.2542, 0.1911



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.5899, 0.2900, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9989, 0.2542, 0.1911 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(164, 123, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 123, 234)  
}
```

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(164, 123, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 123, 234) }
```

Border

The CSS property to change the border of an element to Yxy 27.9989, 0.2542, 0.1911 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(164, 123, 234) }
```

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

```
.border{ border-color:rgb(164, 123, 234) }
```

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

Here you see how a box with a 4 pixel rgb(164, 123, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 123, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 123, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 123,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9989, 0.2542, 0.1911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 123, 234) }
```

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

```
.background{ background-color: rgb(164,  
123, 234) }
```

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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