

Converting Colors

$Y_{xy}(27.4217, 0.2732, 0.2071)$

Have a look what the booklet for
Yxy(27.4217, 0.2732, 0.2071)
contains.

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Color

Yxy(27.3424, 0.2728, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	AB79D9
RGB	171, 121, 217
RGB Percent	67%, 47%, 85%
CMY	0.3295, 0.5255, 0.1489
CMYK	0.21, 0.44, 0.00, 0.15
HSL	271°, 56%, 66%
HSV	271°, 44%, 85%
XYZ	36.1561, 27.3424, 69.0386
YIQ	146.8940, -1.0160, 40.4560

Conversions

Conversions Part 2

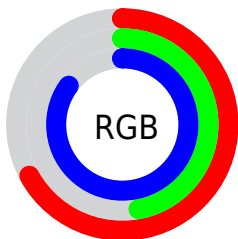
Format	Color
RYB	171, 121, 217
Decimal	11237849
CIELab	59.29, 37.76, -42.01
CIELCh	59, 56.486, 311.950
Yxy	27.3424, 0.2728, 0.2063
Android (android.graphics.Color)	4289427929 (0xFFAB79D9)
YUV	146.8940, 34.5623, 21.1410
Hunter-Lab	52.2900, 31.9172, -41.6778

Details

The Yxy color $27.3424, 0.2728, 0.2063$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $59.2442, 0.3384, 0.4534$, and the grayscale version is $28.9868, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.9861, 0.2953, 0.2445$, and $10.8970, 0.2580, 0.1745$ is the 20% darker color. If you saturate the color by 10%, you get $21.5254, 0.2607, 0.1774$, and if you desaturate by 10%, it is $34.4401, 0.2839, 0.2359$.

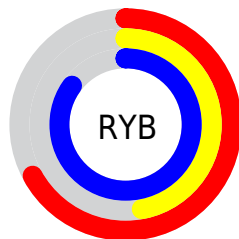
Distribution



Red (67%)

Green (47%)

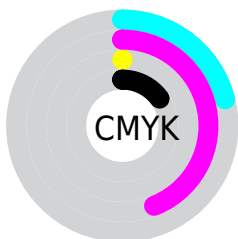
Blue (85%)



Red (67%)

Yellow (47%)

Blue (85%)

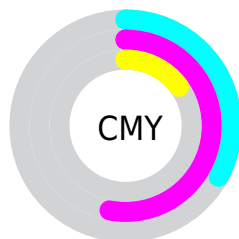


Cyan (21%)

Magenta (44%)

Yellow (0%)

Black (15%)



Cyan (33%)


Magenta (53%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3424, 0.2728, 0.2063 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 27.3424, 0.2728, 0.2063 by changing the saturation by 10% instead.


 27.3424, 0.2728,
0.2063


 27.3424, 0.2728,
0.2063


289.3112, 0.2956,
0.2663


 17.8305, 0.2664,
0.1921


 55.4328, 0.2817,
0.2276

 10.8284, 0.2577,
0.1744


 74.7802, 0.2848,
0.2358

 5.9516, 0.2456,
0.1521


 98.1748, 0.2874,
0.2428

 2.8156, 0.2280,
0.1233

126.0011, 0.2896,
0.2488

 1.0363, 0.2006,
0.0865

158.6435, 0.2914,
0.2540

 0.0000, 0.1630,
0.0000

196.4864, 0.2930,

 0.0000, 0.0000,

0.2586

0.0000

239.9142, 0.2944,
0.2627

■ 27.3424, 0.2728,
0.2063

■ 27.3424, 0.2728,
0.2063

■ 21.5254, 0.2607,
0.1774

■ 34.4401, 0.2839,
0.2359

■ 16.9032, 0.2481,
0.1507

■ 42.8903, 0.2938,
0.2649

■ 13.3841, 0.2353,
0.1274

■ 52.7632, 0.3025,
0.2927

■ 10.8611, 0.2229,
0.1090

■ 64.1233, 0.3099,
0.3186

■ 9.2042, 0.2114,
0.0960

■ 77.0307, 0.3162,
0.3424

■ 8.5189, 0.2053,
0.0905

■ 91.5425, 0.3215,
0.3640

■ 95.7354, 0.3278,
0.3669

■ 97.6486, 0.3346,
0.3661

■ 97.7914, 0.3351,
0.3661

Harmonies

Analogous

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



27.3424, 0.2028, 0.1919



27.3424, 0.2728, 0.2063



27.3424, 0.3674, 0.2441

Triad

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



27.3424, 0.2728, 0.2063



27.3424, 0.4771, 0.4288



27.3424, 0.1838, 0.3386

Complementary

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



27.3424, 0.2728, 0.2063



59.2442, 0.3384, 0.4534

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.



27.3424, 0.2447, 0.4430



27.3424, 0.2728, 0.2063



27.3424, 0.4138, 0.4860

Square

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



27.3424, 0.2728, 0.2063



27.3424, 0.4966, 0.3626



27.3424, 0.3291, 0.5018



27.3424, 0.1580, 0.2519

Rectangle

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



27.3424, 0.2728, 0.2063



27.3424, 0.4297, 0.2794



27.3424, 0.3291, 0.5018



27.3424, 0.2004, 0.3740

Sweetspot

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



27.3435, 0.2728, 0.2063



77.7515, 0.3034, 0.2957



36.8678, 0.2414, 0.2594



15.9134, 0.3016, 0.2897



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.



27.3435, 0.2728, 0.2063



31.5881, 0.2617, 0.1796



33.3613, 0.3193, 0.2229



12.9488, 0.3062, 0.3054



5.2185, 0.2068, 0.0913



0.3893, 0.2242, 0.1009

Inverse Universe

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



31.2249, 0.3722, 0.2738



38.1455, 0.3910, 0.2633



55.1275, 0.3054, 0.4643



13.1550, 0.3217, 0.3178



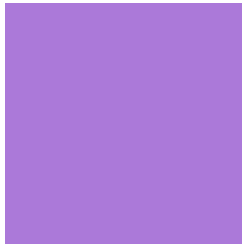
9.5569, 0.5036, 0.2548



0.6365, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 27.3424, 0.2728, 0.2063 looks on a white background.

Color Contrast Check

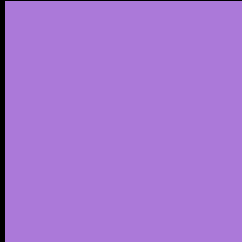
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3424, 0.2728, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

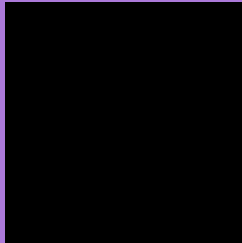
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3424, 0.2728, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 27.3424, 0.2728, 0.2063.



This preview shows how white text looks on a background with the Yxy color 27.3424, 0.2728, 0.2063.

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

27.3424, 0.2728, 0.2063

Protanopia

27.7609, 0.2162, 0.1989

Deuteranopia

27.5948, 0.2311, 0.2248



Tritanopia

27.3688, 0.3267, 0.3136

Trichromacy



Original Color

27.3424, 0.2728, 0.2063



Protanomaly

27.1223, 0.2329, 0.1999



Deuteranomaly

26.8918, 0.2438, 0.2161



Tritanomaly

26.9977, 0.3058, 0.2692

Monochromacy



Original Color

27.3424, 0.2728, 0.2063



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

28.2234, 0.2984, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3424, 0.2728, 0.2063 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(171, 121, 217)` looks like.

```
.text, #text, p{  
    color:rgb(171, 121, 217)  
}
```

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(171, 121, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 121, 217) }
```

Border

The CSS property to change the border of an element to Yxy 27.3424, 0.2728, 0.2063 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(171, 121, 217) }
```

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

```
.border{ border-color:rgb(171, 121, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 121, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 121, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 121, 217);  
box-shadow:4px 4px 4px 4px rgb(171, 121,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3424, 0.2728, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 121, 217) }
```

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

```
.background{ background-color: rgb(171,  
121, 217) }
```

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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