

Converting Colors

$Y_{xy}(32.4743, 0.2826, 0.2066)$

Have a look what the booklet for
Yxy(32.4743, 0.2826, 0.2066)
contains.

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Color

Yxy(32.4743, 0.2826, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	C27FE8
RGB	194, 127, 232
RGB Percent	76%, 50%, 91%
CMY	0.2389, 0.5021, 0.0901
CMYK	0.16, 0.45, 0.00, 0.09
HSL	278°, 70%, 70%
HSV	278°, 45%, 91%
XYZ	44.4203, 32.4743, 80.2898
YIQ	159.0030, 6.2270, 46.8590

Conversions

Conversions Part 2

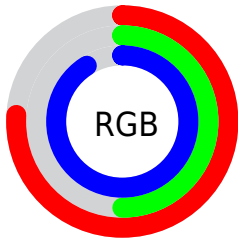
Format	Color
RYB	194, 127, 232
Decimal	12746728
CIELab	63.73, 44.34, -43.22
CIELCh	64, 61.918, 315.735
Yxy	32.4743, 0.2826, 0.2066
Android (android.graphics.Color)	4290936808 (0xFFC27FE8)
YUV	159.0030, 35.9875, 30.6924
Hunter-Lab	56.9862, 39.4135, -43.6453

Details

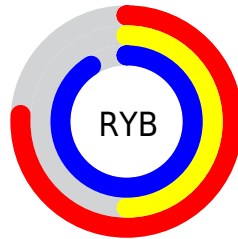
The Yxy color **32.4743, 0.2826, 0.2066** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.2486, 0.3302, 0.4608**, and the grayscale version is **34.5035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9632, 0.3138, 0.2560**, and **13.7067, 0.2707, 0.1775** is the 20% darker color. If you saturate the color by 10%, you get **26.0807, 0.2735, 0.1798**, and if you desaturate by 10%, it is **40.3128, 0.2909, 0.2346**.

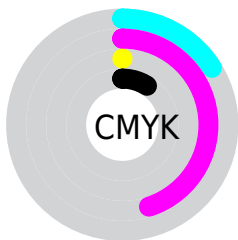
Distribution



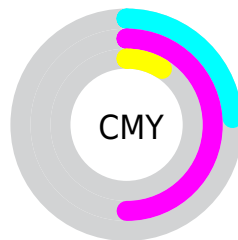
- Red (76%)
- Green (50%)
- Blue (91%)



- Red (76%)
- Yellow (50%)
- Blue (91%)



- Cyan (16%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)




- Cyan (24%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4743, 0.2826, 0.2066 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 32.4743, 0.2826, 0.2066 by changing the saturation by 10% instead.


 32.4743, 0.2826,
0.2066


 32.4743, 0.2826,
0.2066


313.2742, 0.3000,
0.2646


 21.7240, 0.2777,
0.1934


 63.5539, 0.2894,
0.2268

 13.6543, 0.2711,
0.1771


 84.6520, 0.2918,
0.2346

 7.8806, 0.2621,
0.1569


 109.9682, 0.2938,
0.2414

 4.0186, 0.2489,
0.1312

139.8869, 0.2954,
0.2472

 1.6840, 0.2287,
0.0987

174.7924, 0.2968,
0.2524

 0.4133, 0.1977,
0.0496

215.0692, 0.2980,

 0.0000, 0.1258,

0.2569

0.0000

261.1017, 0.2991,
0.2609

0.0000, 0.0000,
0.0000

32.4743, 0.2826,
0.2066

32.4743, 0.2826,
0.2066

26.0807, 0.2735,
0.1798

40.3128, 0.2909,
0.2346

21.0309, 0.2638,
0.1555

49.6800, 0.2983,
0.2628

17.2169, 0.2539,
0.1349


60.6581, 0.3047,
0.2901

14.5113, 0.2442,
0.1191


73.3220, 0.3102,
0.3160

12.7582, 0.2349,
0.1083

87.7419, 0.3148,
0.3401

 12.1443, 0.2307,
0.1045

 96.6453, 0.3194,
0.3517

 98.1817, 0.3247,
0.3513

 98.6077, 0.3262,
0.3512

Harmonies

Analogous

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



32.4743, 0.2068, 0.1885



32.4743, 0.2826, 0.2066



32.4743, 0.3819, 0.2479

Triad

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



32.4743, 0.2826, 0.2066



32.4743, 0.4754, 0.4391



32.4743, 0.1745, 0.3252

Complementary

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



32.4743, 0.2826, 0.2066



67.2486, 0.3302, 0.4608

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.



32.4743, 0.2324, 0.4349



32.4743, 0.2826, 0.2066



32.4743, 0.4057, 0.4961

Square

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



32.4743, 0.2826, 0.2066



32.4743, 0.5032, 0.3711



32.4743, 0.3173, 0.5053



32.4743, 0.1529, 0.2407

Rectangle

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



32.4743, 0.2826, 0.2066



32.4743, 0.4445, 0.2851



32.4743, 0.3173, 0.5053



32.4743, 0.1898, 0.3613

Sweetspot

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



32.4756, 0.2826, 0.2066



76.9357, 0.3054, 0.2933



37.4218, 0.2364, 0.2400



15.7870, 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.



32.4756, 0.2826, 0.2066



33.0295, 0.2744, 0.1824



37.3913, 0.3311, 0.2313



14.3413, 0.3080, 0.3054



6.8138, 0.2321, 0.1052



0.5555, 0.2451, 0.1124

Inverse Universe

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



35.0417, 0.3890, 0.2861



36.8439, 0.4129, 0.2786



64.1590, 0.2989, 0.4521



14.4536, 0.3236, 0.3205



9.8998, 0.5528, 0.2819



0.7489, 0.5125, 0.2597

Previews

White Background



This preview shows how the Yxy color 32.4743, 0.2826, 0.2066 looks on a white background.

Color Contrast Check

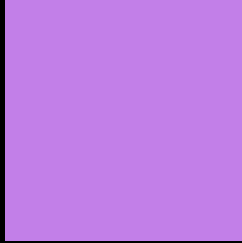
Large Text (above 18pt) WCAG AA × Fail

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 32.4743, 0.2826, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

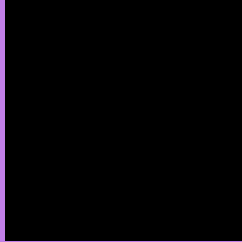
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4743, 0.2826, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 32.4743, 0.2826, 0.2066.



This preview shows how white text looks on a background with the Yxy color 32.4743, 0.2826, 0.2066.

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

32.4743, 0.2826, 0.2066

Protanopia

32.8025, 0.2154, 0.1977

Deuteranopia

32.9423, 0.2344, 0.2289



Tritanopia

32.2919, 0.3411, 0.3123

Trichromacy



Original Color

32.4743, 0.2826, 0.2066



Protanomaly

31.7782, 0.2345, 0.1989



Deuteranomaly

31.9932, 0.2486, 0.2178



Tritanomaly

32.0768, 0.3176, 0.2682

Monochromacy



Original Color

32.4743, 0.2826, 0.2066



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.1833, 0.3015, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4743, 0.2826, 0.2066 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(194, 127, 232)` looks like.

```
.text, #text, p{  
    color:rgb(194, 127, 232)  
}
```

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(194, 127, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 127, 232) }
```

Border

The CSS property to change the border of an element to Yxy 32.4743, 0.2826, 0.2066 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(194, 127, 232) }
```

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

```
.border{ border-color:rgb(194, 127, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 127, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 127, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 127, 232);  
box-shadow:4px 4px 4px 4px rgb(194, 127,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4743, 0.2826, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 127, 232) }
```

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

```
.background{ background-color: rgb(194,  
127, 232) }
```

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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