

Converting Colors

$Y_{xy}(32.4145, 0.2839, 0.2103)$

Have a look what the booklet for
Yxy(32.4145, 0.2839, 0.2103)
contains.

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Color

Yxy(32.4329, 0.2841, 0.2101)

Conversions

Conversions Part 1

Format	Color
Hex	C180E5
RGB	193, 128, 229
RGB Percent	76%, 50%, 90%
CMY	0.2431, 0.4980, 0.1019
CMYK	0.16, 0.44, 0.00, 0.10
HSL	279°, 66%, 70%
HSV	279°, 44%, 90%
XYZ	43.8562, 32.4329, 78.0798
YIQ	158.9490, 6.3190, 45.1910

Conversions

Conversions Part 2

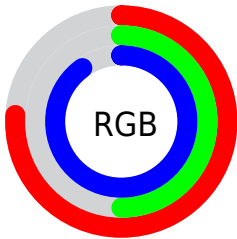
Format	Color
R_{YB}	193, 128, 229
Decimal	12681445
CIE _{Lab}	63.70, 42.84, -41.60
CIE _{LCh}	64, 59.715, 315.838
Yxy	32.4329, 0.2841, 0.2101
Android (android.graphics.Color)	4290871525 (0xFFC180E5)
YUV	158.9490, 34.5351, 29.8627
Hunter-Lab	56.9499, 37.7977, -41.4232

Details

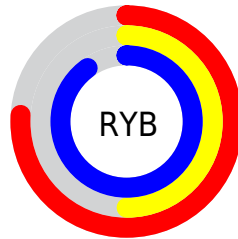
The Yxy color **32.4329, 0.2841, 0.2101** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.4910, 0.3296, 0.4571**, and the grayscale version is **34.4845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1851, 0.3130, 0.2568**, and **13.6432, 0.2726, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **26.0762, 0.2752, 0.1832**, and if you desaturate by 10%, it is **40.1994, 0.2922, 0.2381**.

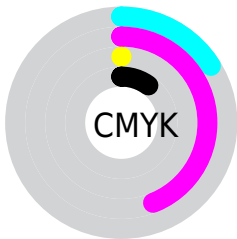
Distribution



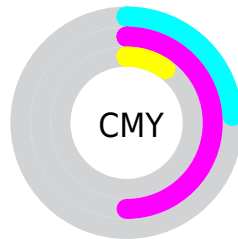
- Red (76%)
- Green (50%)
- Blue (90%)



- Red (76%)
- Yellow (50%)
- Blue (90%)



- Cyan (16%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)




- Cyan (24%)
- Magenta (50%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4329, 0.2841, 0.2101 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 32.4329, 0.2841, 0.2101 by changing the saturation by 10% instead.


 32.4329, 0.2841,
0.2101


 32.4329, 0.2841,
0.2101


313.0866, 0.3007,
0.2667


 21.6924, 0.2794,
0.1971


 63.4891, 0.2906,
0.2299

 13.6310, 0.2731,
0.1811


 84.5736, 0.2929,
0.2375

 7.8645, 0.2644,
0.1610


 109.8749, 0.2948,
0.2441

 4.0084, 0.2516,
0.1354

139.7773, 0.2963,
0.2498

 1.6782, 0.2319,
0.1026

174.6653, 0.2977,
0.2548

 0.4095, 0.2015,
0.0520

214.9232, 0.2988,

 0.0000, 0.1241,

0.2592

0.0000

260.9355, 0.2998,
0.2632

0.0000, 0.0000,
0.0000

32.4329, 0.2841,
0.2101

32.4329, 0.2841,
0.2101

26.0762, 0.2752,
0.1832

40.1994, 0.2922,
0.2381

21.0325, 0.2657,
0.1586

49.4559, 0.2994,
0.2661

17.1989, 0.2560,
0.1376

60.2811, 0.3056,
0.2933

14.4548, 0.2463,
0.1213

72.7470, 0.3108,
0.3190

12.6535, 0.2371,
0.1100

86.9211, 0.3152,
0.3428

■ 11.8972, 0.2319,
0.1051

■ 96.0501, 0.3196,
0.3549

■ 97.5263, 0.3248,
0.3545

■ 98.4374, 0.3280,
0.3542

Harmonies

Analogous

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



32.4329, 0.2102, 0.1924



32.4329, 0.2841, 0.2101



32.4329, 0.3800, 0.2506

Triad

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



32.4329, 0.2841, 0.2101



32.4329, 0.4707, 0.4371



32.4329, 0.1786, 0.3254

Complementary

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



32.4329, 0.2841, 0.2101



65.4910, 0.3296, 0.4571

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.



32.4329, 0.2351, 0.4304



32.4329, 0.2841, 0.2101



32.4329, 0.4035, 0.4911

Square

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



32.4329, 0.2841, 0.2101



32.4329, 0.4971, 0.3712



32.4329, 0.3177, 0.4984



32.4329, 0.1573, 0.2437

Rectangle

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



32.4329, 0.2841, 0.2101



32.4329, 0.4402, 0.2870



32.4329, 0.3177, 0.4984



32.4329, 0.1936, 0.3600

Sweetspot

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



32.4342, 0.2841, 0.2101



78.4708, 0.3061, 0.2960



37.1691, 0.2385, 0.2428



16.0912, 0.3049, 0.2901



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.



32.4342, 0.2841, 0.2101



33.8590, 0.2759, 0.1852



37.0307, 0.3305, 0.2337



14.3449, 0.3081, 0.3054



6.8719, 0.2332, 0.1058



0.5595, 0.2461, 0.1129

Inverse Universe

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



34.7768, 0.3866, 0.2877



37.4845, 0.4109, 0.2800



62.5669, 0.2992, 0.4482



14.4524, 0.3237, 0.3207



9.8900, 0.5546, 0.2829



0.7481, 0.5142, 0.2606

Previews

White Background



This preview shows how the Yxy color 32.4329, 0.2841, 0.2101 looks on a white background.

Color Contrast Check

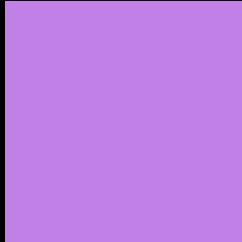
Large Text (above 18pt) WCAG AA × Fail

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 32.4329, 0.2841, 0.2101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

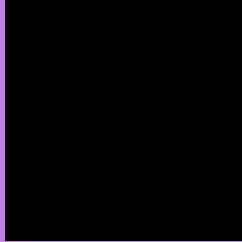
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4329, 0.2841, 0.2101

Background



This preview shows how black text looks on a background with the Yxy color 32.4329, 0.2841, 0.2101.

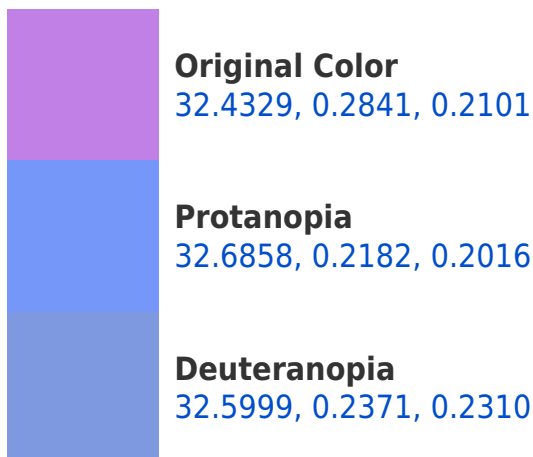


This preview shows how white text looks on a background with the Yxy color 32.4329, 0.2841, 0.2101.

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





Tritanopia

32.2919, 0.3411, 0.3123

Trichromacy



Original Color

32.4329, 0.2841, 0.2101



Protanomaly

31.9850, 0.2371, 0.2030



Deuteranomaly

31.9215, 0.2512, 0.2211



Tritanomaly

32.0350, 0.3186, 0.2694

Monochromacy



Original Color

32.4329, 0.2841, 0.2101



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.2984, 0.3023, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4329, 0.2841, 0.2101 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(193, 128, 229)` looks like.

```
.text, #text, p{  
    color:rgb(193, 128, 229)  
}
```

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(193, 128, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 128, 229) }
```

Border

The CSS property to change the border of an element to Yxy 32.4329, 0.2841, 0.2101 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(193, 128, 229) }
```

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

```
.border{ border-color:rgb(193, 128, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 128, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 128, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 128, 229);  
box-shadow:4px 4px 4px 4px rgb(193, 128,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4329, 0.2841, 0.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 128, 229) }
```

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

```
.background{ background-color: rgb(193,  
128, 229) }
```

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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