

Converting Colors

Yxy(31.9848, 0.2805, 0.2099)

Have a look what the booklet for
Yxy(31.9848, 0.2805, 0.2099)
contains.

Yxy(32.1208, 0.2813, 0.2109)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.1208, 0.2813, 0.2109)

Conversions

Conversions Part 1

Format	Color
Hex	BD81E4
RGB	189, 129, 228
RGB Percent	74%, 51%, 89%
CMY	0.2588, 0.4941, 0.1059
CMYK	0.17, 0.43, 0.00, 0.11
HSL	276°, 65%, 70%
HSV	276°, 43%, 89%
XYZ	42.8430, 32.1208, 77.3397
YIQ	158.2260, 3.9810, 43.5090

Conversions

Conversions Part 2

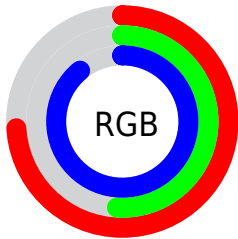
Format	Color
RYB	189, 129, 228
Decimal	12419556
CIELab	63.44, 40.94, -41.48
CIElCh	63, 58.282, 314.629
Yxy	32.1208, 0.2813, 0.2109
Android (android.graphics.Color)	4290609636 (0xFFBD81E4)
YUV	158.2260, 34.3986, 26.9888
Hunter-Lab	56.6752, 35.7534, -41.2352

Details

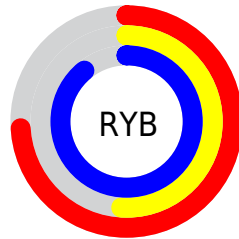
The Yxy color **32.1208, 0.2813, 0.2109** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.3937, 0.3320, 0.4538**, and the grayscale version is **34.1406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8611, 0.3099, 0.2571**, and **13.4957, 0.2700, 0.1822** is the 20% darker color. If you saturate the color by 10%, you get **25.6582, 0.2715, 0.1833**, and if you desaturate by 10%, it is **39.9969, 0.2903, 0.2394**.

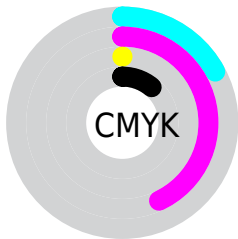
Distribution



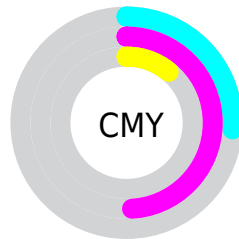
- Red (74%)
- Green (51%)
- Blue (89%)



- Red (74%)
- Yellow (51%)
- Blue (89%)



- Cyan (17%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)




- Cyan (26%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1208, 0.2813, 0.2109 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 32.1208, 0.2813, 0.2109 by changing the saturation by 10% instead.


 32.1208, 0.2813,
0.2109


 32.1208, 0.2813,
0.2109


311.6692, 0.2992,
0.2673


 21.4538, 0.2763,
0.1979


 63.0004, 0.2883,
0.2307

 13.4561, 0.2696,
0.1818


 83.9818, 0.2907,
0.2383

 7.7434, 0.2603,
0.1616


 109.1701, 0.2928,
0.2449

 3.9312, 0.2467,
0.1359

138.9497, 0.2945,
0.2506

 1.6351, 0.2260,
0.1028

173.7050, 0.2960,
0.2555

 0.3811, 0.1943,
0.0502

213.8205, 0.2972,

 0.0000, 0.1056,

0.2599

0.0000

259.6804, 0.2983,
0.2638

0.0000, 0.0000,
0.0000

32.1208, 0.2813,
0.2109

32.1208, 0.2813,
0.2109

25.6582, 0.2715,
0.1833

39.9969, 0.2903,
0.2394

20.5139, 0.2610,
0.1578

49.3658, 0.2982,
0.2677

16.5865, 0.2503,
0.1358

60.3053, 0.3051,
0.2950

13.7577, 0.2397,
0.1184

72.8866, 0.3109,
0.3207

11.8842, 0.2296,
0.1062

87.1764, 0.3158,
0.3444

■ 11.0242, 0.2234,
0.1004

■ 96.1550, 0.3208,
0.3558

■ 97.7904, 0.3265,
0.3554

■ 98.3814, 0.3286,
0.3552

Harmonies

Analogous

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



32.1208, 0.2097, 0.1945



32.1208, 0.2813, 0.2109



32.1208, 0.3749, 0.2500

Triad

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



32.1208, 0.2813, 0.2109



32.1208, 0.4700, 0.4332



32.1208, 0.1827, 0.3297

Complementary

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



32.1208, 0.2813, 0.2109



65.3937, 0.3320, 0.4538

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.



32.1208, 0.2397, 0.4319



32.1208, 0.2813, 0.2109



32.1208, 0.4054, 0.4867

Square

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



32.1208, 0.2813, 0.2109



32.1208, 0.4934, 0.3684



32.1208, 0.3215, 0.4956



32.1208, 0.1600, 0.2480

Rectangle

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



32.1208, 0.2813, 0.2109



32.1208, 0.4344, 0.2856



32.1208, 0.3215, 0.4956



32.1208, 0.1979, 0.3638

Sweetspot

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



32.1221, 0.2813, 0.2109



78.2509, 0.3053, 0.2959



38.4946, 0.2405, 0.2491



16.0368, 0.3039, 0.2900



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.



32.1221, 0.2813, 0.2109



33.9047, 0.2726, 0.1862



37.2606, 0.3270, 0.2320



14.3172, 0.3075, 0.3054



6.4363, 0.2248, 0.1012



0.5291, 0.2386, 0.1088

Inverse Universe

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



35.0197, 0.3806, 0.2841



38.3573, 0.4022, 0.2757



62.0144, 0.3011, 0.4506



14.4615, 0.3231, 0.3198



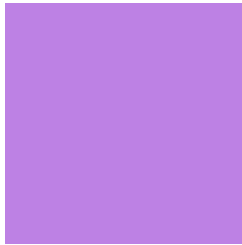
9.9700, 0.5398, 0.2747



0.7546, 0.5008, 0.2533

Previews

White Background



This preview shows how the Yxy color 32.1208, 0.2813, 0.2109 looks on a white background.

Color Contrast Check

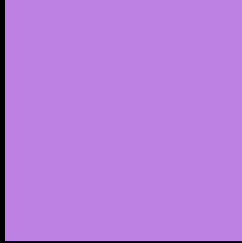
Large Text (above 18pt) WCAG AA × Fail

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 32.1208, 0.2813, 0.2109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

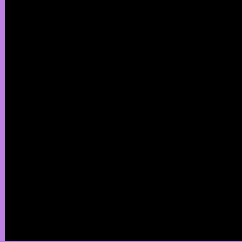
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1208, 0.2813, 0.2109

Background



This preview shows how black text looks on a background with the Yxy color 32.1208, 0.2813, 0.2109.



This preview shows how white text looks on a background with the Yxy color 32.1208, 0.2813, 0.2109.

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

32.1208, 0.2813, 0.2109

Protanopia

32.6305, 0.2196, 0.2036

Deuteranopia

32.5458, 0.2376, 0.2321



Tritanopia

32.1161, 0.3367, 0.3135

Trichromacy



Original Color

32.1208, 0.2813, 0.2109



Protanomaly

31.7758, 0.2375, 0.2046



Deuteranomaly

31.7723, 0.2511, 0.2219



Tritanomaly

31.7877, 0.3154, 0.2712

Monochromacy



Original Color

32.1208, 0.2813, 0.2109



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.7214, 0.3013, 0.2789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1208, 0.2813, 0.2109 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(189, 129, 228)` looks like.

```
.text, #text, p{  
    color:rgb(189, 129, 228)  
}
```

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(189, 129, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 129, 228) }
```

Border

The CSS property to change the border of an element to Yxy 32.1208, 0.2813, 0.2109 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(189, 129, 228) }
```

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

```
.border{ border-color:rgb(189, 129, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 129, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 129, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 129, 228);  
box-shadow:4px 4px 4px 4px rgb(189, 129,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1208, 0.2813, 0.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 129, 228) }
```

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

```
.background{ background-color: rgb(189,  
129, 228) }
```

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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