

Converting Colors

$Y_{xy}(32.2491, 0.2822, 0.2112)$

Have a look what the booklet for
Yxy(32.2491, 0.2822, 0.2112)
contains.

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Color

Yxy(32.2491, 0.2822, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	BE81E4
RGB	190, 129, 228
RGB Percent	75%, 51%, 89%
CMY	0.2549, 0.4941, 0.1059
CMYK	0.17, 0.43, 0.00, 0.11
HSL	277°, 65%, 70%
HSV	277°, 43%, 89%
XYZ	43.0904, 32.2491, 77.3551
YIQ	158.5250, 4.5770, 43.7210

Conversions

Conversions Part 2

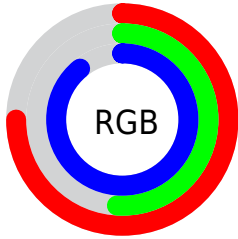
Format	Color
R _Y B	190, 129, 228
Decimal	12485092
CIE Lab	63.55, 41.23, -41.31
CIE LCh	64, 58.359, 314.943
Yxy	32.2491, 0.2822, 0.2112
Android (android.graphics.Color)	4290675172 (0xFFBE81E4)
YUV	158.5250, 34.2512, 27.6036
Hunter-Lab	56.7883, 36.0646, -41.0110

Details

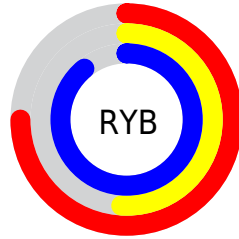
The Yxy color **32.2491, 0.2822, 0.2112** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.2895, 0.3313, 0.4541**, and the grayscale version is **34.2836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0434, 0.3106, 0.2573**, and **13.5782, 0.2713, 0.1827** is the 20% darker color. If you saturate the color by 10%, you get **25.8059, 0.2726, 0.1837**, and if you desaturate by 10%, it is **40.1026, 0.2909, 0.2396**.

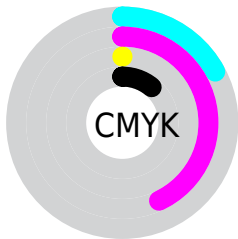
Distribution



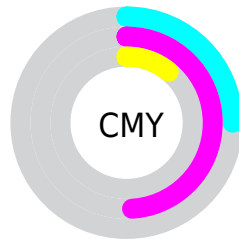
- Red (75%)
- Green (51%)
- Blue (89%)



- Red (75%)
- Yellow (51%)
- Blue (89%)



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




- Cyan (25%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2491, 0.2822, 0.2112 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 32.2491, 0.2822, 0.2112 by changing the saturation by 10% instead.


 32.2491, 0.2822,
0.2112


 32.2491, 0.2822,
0.2112


312.2524, 0.2997,
0.2674

 21.5518, 0.2773,
0.1982


 63.2014, 0.2890,
0.2309

 13.5280, 0.2707,
0.1822


 84.2252, 0.2914,
0.2385

 7.7931, 0.2616,
0.1621


 109.4600, 0.2934,
0.2451

 3.9628, 0.2484,
0.1364

139.2902, 0.2951,
0.2507

 1.6528, 0.2280,
0.1034

174.1001, 0.2965,
0.2557

 0.3928, 0.1967,
0.0514

214.2742, 0.2977,

 0.0000, 0.1110,

0.2601

0.0000

260.1968, 0.2988,
0.2640

0.0000, 0.0000,
0.0000

32.2491, 0.2822,
0.2112

32.2491, 0.2822,
0.2112

25.8059, 0.2726,
0.1837

40.1026, 0.2909,
0.2396

20.6776, 0.2624,
0.1584

49.4455, 0.2986,
0.2678

16.7630, 0.2520,
0.1366

60.3554, 0.3053,
0.2950

13.9441, 0.2416,
0.1194

72.9035, 0.3110,
0.3207

12.0776, 0.2317,
0.1073

87.1564, 0.3157,
0.3444

■ 11.2205, 0.2256,
0.1017

■ 96.0895, 0.3205,
0.3558

■ 97.6796, 0.3261,
0.3554

■ 98.3817, 0.3286,
0.3552

Harmonies

Analogous

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



32.2491, 0.2103, 0.1945



32.2491, 0.2822, 0.2112



32.2491, 0.3759, 0.2505

Triad

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



32.2491, 0.2822, 0.2112



32.2491, 0.4695, 0.4339



32.2491, 0.1822, 0.3287

Complementary

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



32.2491, 0.2822, 0.2112



65.2895, 0.3313, 0.4541

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.



32.2491, 0.2390, 0.4309



32.2491, 0.2822, 0.2112



32.2491, 0.4046, 0.4871

Square

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



32.2491, 0.2822, 0.2112



32.2491, 0.4934, 0.3691



32.2491, 0.3206, 0.4953



32.2491, 0.1600, 0.2474

Rectangle

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



32.2491, 0.2822, 0.2112



32.2491, 0.4352, 0.2862



32.2491, 0.3206, 0.4953



32.2491, 0.1974, 0.3627

Sweetspot

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



32.2504, 0.2822, 0.2112



78.3092, 0.3055, 0.2959



38.4969, 0.2405, 0.2491



16.0512, 0.3041, 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.



32.2504, 0.2822, 0.2112



34.0903, 0.2737, 0.1867



37.2628, 0.3270, 0.2320



14.3246, 0.3077, 0.3054



6.5490, 0.2270, 0.1024



0.5370, 0.2406, 0.1099

Inverse Universe

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



34.9853, 0.3817, 0.2852



38.3059, 0.4037, 0.2771



62.0176, 0.3011, 0.4506



14.4591, 0.3232, 0.3200



9.9478, 0.5438, 0.2769



0.7528, 0.5044, 0.2552

Previews

White Background



This preview shows how the Yxy color 32.2491, 0.2822, 0.2112 looks on a white background.

Color Contrast Check

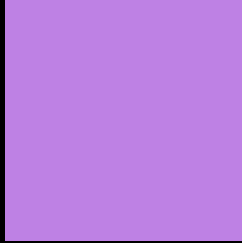
Large Text (above 18pt) WCAG AA × Fail

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 32.2491, 0.2822, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

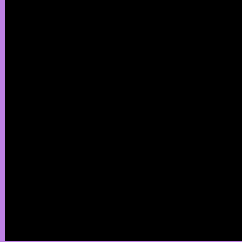
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2491, 0.2822, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 32.2491, 0.2822, 0.2112.



This preview shows how white text looks on a background with the Yxy color 32.2491, 0.2822, 0.2112.

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

32.2491, 0.2822, 0.2112

Protanopia

32.6305, 0.2196, 0.2036

Deuteranopia

32.5458, 0.2376, 0.2321



Tritanopia

32.2348, 0.3377, 0.3136

Trichromacy



Original Color

32.2491, 0.2822, 0.2112



Protanomaly

31.8655, 0.2382, 0.2049



Deuteranomaly

31.7723, 0.2511, 0.2219



Tritanomaly

31.9099, 0.3164, 0.2714

Monochromacy



Original Color

32.2491, 0.2822, 0.2112



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.1865, 0.3013, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2491, 0.2822, 0.2112 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(190, 129, 228)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 129, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 129, 228) }
```

Border

The CSS property to change the border of an element to Yxy 32.2491, 0.2822, 0.2112 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(190, 129, 228) }
```

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

```
.border{ border-color:rgb(190, 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(190, 129, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 129, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 129, 228); box-shadow:4px 4px 4px 4px rgb(190, 129, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2491, 0.2822, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 129, 228) }
```

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

```
.background{ background-color: rgb(190,  
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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