

Converting Colors

$Y_{xy}(32.5036, 0.2820, 0.2165)$

Have a look what the booklet for
Yxy(32.5036, 0.2820, 0.2165)
contains.

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Color

Yxy(32.5036, 0.2820, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	BB84E1
RGB	187, 132, 225
RGB Percent	73%, 52%, 88%
CMY	0.2667, 0.4824, 0.1176
CMYK	0.17, 0.41, 0.00, 0.12
HSL	275°, 61%, 70%
HSV	275°, 41%, 88%
XYZ	42.3373, 32.5036, 75.2912
YIQ	159.0470, 2.9270, 40.5830

Conversions

Conversions Part 2

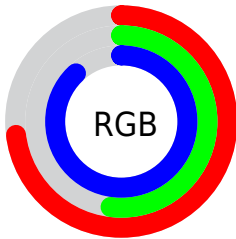
Format	Color
R_{YB}	187, 132, 225
Decimal	12289249
CIE Lab	63.76, 38.07, -39.35
CIE LCh	64, 54.752, 314.059
Yxy	32.5036, 0.2820, 0.2165
Android (android.graphics.Color)	4290479329 (0xFFBB84E1)
YUV	159.0470, 32.5148, 24.5148
Hunter-Lab	57.0119, 32.7838, -38.3914

Details

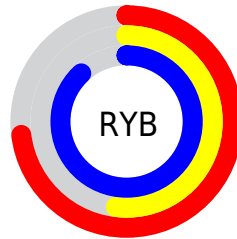
The Yxy color **32.5036, 0.2820, 0.2165** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.0764, 0.3324, 0.4467**, and the grayscale version is **34.5420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5709, 0.3075, 0.2596**, and **13.6550, 0.2709, 0.1886** is the 20% darker color. If you saturate the color by 10%, you get **25.9230, 0.2720, 0.1883**, and if you desaturate by 10%, it is **40.4772, 0.2911, 0.2452**.

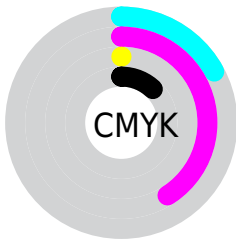
Distribution



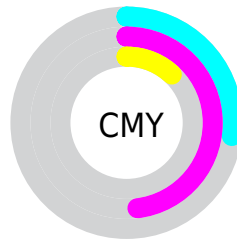
- Red (73%)
- Green (52%)
- Blue (88%)



- Red (73%)
- Yellow (52%)
- Blue (88%)



- Cyan (17%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)





- Cyan (27%)
- Magenta (48%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5036, 0.2820, 0.2165 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 32.5036, 0.2820, 0.2165 by changing the saturation by 10% instead.


 32.5036, 0.2820,
0.2165

 32.5036, 0.2820,
0.2165


313.4070, 0.2994,
0.2705

 21.7464, 0.2771,
0.2039


 63.5997, 0.2887,
0.2355

 13.6707, 0.2707,
0.1883


 84.7075, 0.2911,
0.2428

 7.8920, 0.2617,
0.1686


 110.0343, 0.2931,
0.2491

 4.0259, 0.2486,
0.1432

139.9645, 0.2948,
0.2546

 1.6881, 0.2283,
0.1101

174.8824, 0.2962,
0.2593

 0.4159, 0.1970,
0.0576


215.1726, 0.2974,


 0.0000, 0.1015,


0.2635


0.0000

261.2193, 0.2985,
0.2672

 0.0000, 0.0000,
0.0000


 32.5036, 0.2820,
0.2165


 32.5036, 0.2820,
0.2165


 25.9230, 0.2720,
0.1883


 40.4772, 0.2911,
0.2452


 20.6446, 0.2612,
0.1620


 49.9190, 0.2991,
0.2735


 16.5729, 0.2501,
0.1389

 60.9035, 0.3061,
0.3005


 13.5968, 0.2391,
0.1202

 73.4986, 0.3120,
0.3258


 11.5837, 0.2286,
0.1067

 87.7685, 0.3169,
0.3490

 10.4277, 0.2201,
0.0986

 95.8674, 0.3221,
0.3589

 97.5378, 0.3280,
0.3584

 98.2174, 0.3303,
0.3581

Harmonies

Analogous

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



32.5036, 0.2145, 0.2014



32.5036, 0.2820, 0.2165



32.5036, 0.3695, 0.2536

Triad

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



32.5036, 0.2820, 0.2165



32.5036, 0.4625, 0.4280



32.5036, 0.1908, 0.3321

Complementary

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



32.5036, 0.2820, 0.2165



64.0764, 0.3324, 0.4467

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.



32.5036, 0.2460, 0.4262



32.5036, 0.2820, 0.2165



32.5036, 0.4028, 0.4771

Square

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



32.5036, 0.2820, 0.2165



32.5036, 0.4824, 0.3667



32.5036, 0.3237, 0.4844



32.5036, 0.1681, 0.2547

Rectangle

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



32.5036, 0.2820, 0.2165



32.5036, 0.4252, 0.2875



32.5036, 0.3237, 0.4844



32.5036, 0.2057, 0.3637

Sweetspot

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



32.5049, 0.2820, 0.2165



79.7111, 0.3056, 0.2985



39.3780, 0.2445, 0.2559



16.6295, 0.3048, 0.2951



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.



32.5049, 0.2820, 0.2165



35.2087, 0.2730, 0.1911



37.5375, 0.3247, 0.2350



13.6418, 0.3073, 0.3054



6.0776, 0.2216, 0.0994



0.4732, 0.2366, 0.1077

Inverse Universe

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



35.4168, 0.3743, 0.2847



39.8478, 0.3948, 0.2756



60.6537, 0.3025, 0.4458



13.7930, 0.3228, 0.3195



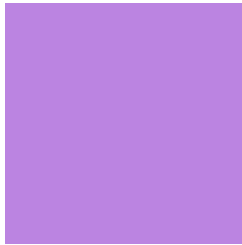
9.6911, 0.5334, 0.2712



0.6892, 0.4931, 0.2490

Previews

White Background



This preview shows how the Yxy color 32.5036, 0.2820, 0.2165 looks on a white background.

Color Contrast Check

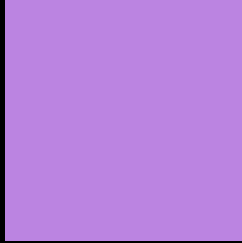
Large Text (above 18pt) WCAG AA × Fail

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 32.5036, 0.2820, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

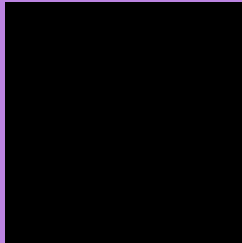
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5036, 0.2820, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 32.5036, 0.2820, 0.2165.



This preview shows how white text looks on a background with the Yxy color 32.5036, 0.2820, 0.2165.

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

32.5036, 0.2820, 0.2165

Protanopia

33.0049, 0.2250, 0.2105

Deuteranopia

32.7487, 0.2415, 0.2350



Tritanopia

32.5662, 0.3322, 0.3135

Trichromacy



Original Color

32.5036, 0.2820, 0.2165



Protanomaly

32.4179, 0.2423, 0.2116



Deuteranomaly

32.1040, 0.2548, 0.2268



Tritanomaly

32.4267, 0.3132, 0.2750

Monochromacy



Original Color

32.5036, 0.2820, 0.2165



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.3488, 0.3013, 0.2818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5036, 0.2820, 0.2165 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(187, 132, 225)` looks like.

```
.text, #text, p{  
    color:rgb(187, 132, 225)  
}
```

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(187, 132, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 132, 225) }
```

Border

The CSS property to change the border of an element to Yxy 32.5036, 0.2820, 0.2165 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(187, 132, 225) }
```

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

```
.border{ border-color:rgb(187, 132, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 132, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 132, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 132, 225);  
box-shadow:4px 4px 4px 4px rgb(187, 132,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5036, 0.2820, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 132, 225) }
```

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

```
.background{ background-color: rgb(187,  
132, 225) }
```

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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