

Converting Colors

$Y_{xy}(32.6200, 0.2911, 0.1850)$

Have a look what the booklet for
Yxy(32.6200, 0.2911, 0.1850)
contains.

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Color

Yxy(32.6200, 0.2911, 0.1850)

Conversions

Conversions Part 1

Format	Color
Hex	DA6DF8
RGB	218, 109, 248
RGB Percent	85%, 43%, 97%
CMY	0.1450, 0.5726, 0.0276
CMYK	0.12, 0.56, 0.00, 0.03
HSL	287°, 91%, 70%
HSV	287°, 56%, 97%
XYZ	51.3280, 32.6200, 92.3763
YIQ	157.4370, 20.3450, 66.3370

Conversions

Conversions Part 2

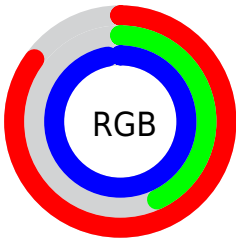
Format	Color
R _Y B	218, 109, 248
Decimal	14315000
CIE Lab	63.85, 62.98, -51.66
CIE LCh	64, 81.456, 320.640
Yxy	32.6200, 0.2911, 0.1850
Android (android.graphics.Color)	4292505080 (0xFFDA6DF8)
YUV	157.4370, 44.6476, 53.1138
Hunter-Lab	57.1139, 60.4677, -55.9162

Details

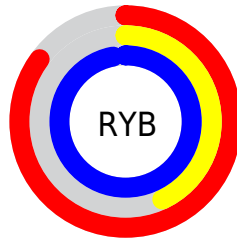
The Yxy color **32.6200, 0.2911, 0.1850** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **73.7064, 0.3197, 0.5018**, and the grayscale version is **33.7124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **13.7814, 0.2810, 0.1538** is the 20% darker color. If you saturate the color by 10%, you get **27.2460, 0.2855, 0.1639**, and if you desaturate by 10%, it is **39.5151, 0.2963, 0.2091**.

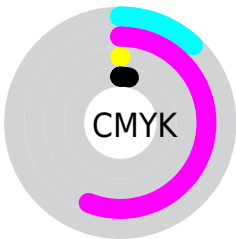
Distribution



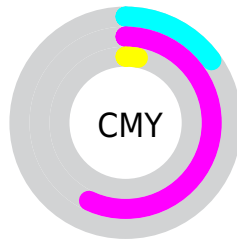
- Red (85%)
- Green (43%)
- Blue (97%)



- Red (85%)
- Yellow (43%)
- Blue (97%)



- Cyan (12%)
- Magenta (56%)
- Yellow (0%)
- Black (3%)




- Cyan (15%)
- Magenta (57%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6200, 0.2911, 0.1850 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 32.6200, 0.2911, 0.1850 by changing the saturation by 10% instead.


 32.6200, 0.2911,
0.1850


 32.6200, 0.2911,
0.1850


313.9339, 0.3051,
0.2506


 21.8355, 0.2869,
0.1707


 63.7818, 0.2968,
0.2073

 13.7361, 0.2812,
0.1536


 84.9279, 0.2988,
0.2161

 7.9373, 0.2732,
0.1329


 110.2966, 0.3003,
0.2238

 4.0549, 0.2614,
0.1078

 140.2724, 0.3017,
0.2305

 1.7043, 0.2435,
0.0775

175.2397, 0.3027,
0.2364

 0.4264, 0.2160,
0.0369

215.5827, 0.3037,

 0.0000, 0.1684,

0.2417

0.0000

261.6860, 0.3044,
0.2464

■ 0.0000, 0.0000,
0.0000

■ 32.6200, 0.2911,
0.1850

■ 32.6200, 0.2911,
0.1850

■ 27.2460, 0.2855,
0.1639

■ 39.5151, 0.2963,
0.2091

■ 23.2596, 0.2797,
0.1467

■ 48.0415, 0.3009,
0.2351

■ 20.5110, 0.2739,
0.1341

■ 58.3040, 0.3050,
0.2618

■ 18.8127, 0.2681,
0.1262

■ 70.3970, 0.3084,
0.2884

■ 18.3173, 0.2659,
0.1239

■ 84.4085, 0.3113,
0.3141

98.6356, 0.3137,
0.3358

99.5557, 0.3168,
0.3357

Harmonies

Analogous

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



32.6200, 0.1921, 0.1589



32.6200, 0.2911, 0.1850



32.6200, 0.4229, 0.2371

Triad

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



32.6200, 0.2911, 0.1850



32.6200, 0.4967, 0.4666



32.6200, 0.1331, 0.2967

Complementary

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



32.6200, 0.2911, 0.1850



73.7064, 0.3197, 0.5018

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.



32.6200, 0.1918, 0.4481



32.6200, 0.2911, 0.1850



32.6200, 0.4002, 0.5468

Square

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



32.6200, 0.2911, 0.1850



32.6200, 0.5519, 0.3817



32.6200, 0.2906, 0.5606



32.6200, 0.1178, 0.2018

Rectangle

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



32.6200, 0.2911, 0.1850



32.6200, 0.5015, 0.2817



32.6200, 0.2906, 0.5606



32.6200, 0.1473, 0.3430

Sweetspot

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



32.6214, 0.2911, 0.1850



73.6635, 0.3081, 0.2859



28.5223, 0.2116, 0.1857



15.1861, 0.3074, 0.2805



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.



32.6214, 0.2911, 0.1850



28.5185, 0.2849, 0.1619



35.4709, 0.3587, 0.2287



17.3248, 0.3103, 0.3054



9.9610, 0.2668, 0.1244



0.9678, 0.2736, 0.1281

Inverse Universe

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



32.7497, 0.4450, 0.2985



29.0035, 0.4883, 0.2959



72.5195, 0.2872, 0.4603



17.2864, 0.3260, 0.3239



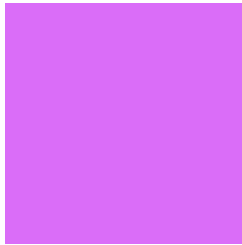
10.9382, 0.6036, 0.3099



1.0280, 0.5715, 0.2922

Previews

White Background



This preview shows how the Yxy color 32.6200, 0.2911, 0.1850 looks on a white background.

Color Contrast Check

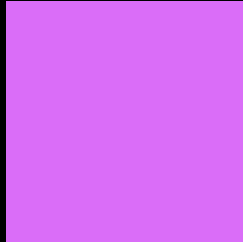
Large Text (above 18pt) WCAG AA × Fail

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 32.6200, 0.2911, 0.1850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

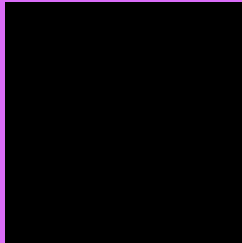
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6200, 0.2911, 0.1850

Background



This preview shows how black text looks on a background with the Yxy color 32.6200, 0.2911, 0.1850.



This preview shows how white text looks on a background with the Yxy color 32.6200, 0.2911, 0.1850.

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

32.6200, 0.2911, 0.1850

Protanopia

33.1212, 0.2138, 0.1969

Deuteranopia

33.1787, 0.2211, 0.2150



Tritanopia

32.5210, 0.3782, 0.3162

Trichromacy



Original Color

32.6200, 0.2911, 0.1850



Protanomaly

31.2159, 0.2352, 0.1876



Deuteranomaly

31.2273, 0.2406, 0.1975



Tritanomaly

31.8959, 0.3441, 0.2595

Monochromacy



Original Color

32.6200, 0.2911, 0.1850



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.0576, 0.3048, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6200, 0.2911, 0.1850 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(218, 109, 248)` looks like.

```
.text, #text, p{  
    color:rgb(218, 109, 248)  
}
```

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(218, 109, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 109, 248) }
```

Border

The CSS property to change the border of an element to Yxy 32.6200, 0.2911, 0.1850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

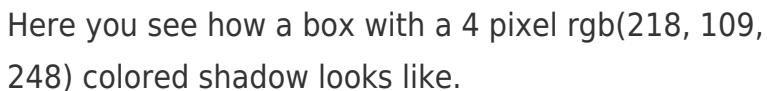
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 109, 248) }
```

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

```
.border{ border-color:rgb(218, 109, 248) }
```

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



Here you see how a box with a 4 pixel rgb(218, 109, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 109, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 109, 248); box-shadow:4px 4px 4px 4px rgb(218, 109, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6200, 0.2911, 0.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 109, 248) }
```

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

```
.background{ background-color: rgb(218,  
109, 248) }
```

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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