

Converting Colors

Yxy(36.6321, 0.2431, 0.1438)

Have a look what the booklet for
Yxy(36.6321, 0.2431, 0.1438)
contains.

Yxy(32.3034, 0.2809, 0.1781)	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(32.3034, 0.2809, 0.1781)

Conversions

Conversions Part 1

Format	Color
Hex	D56DFF
RGB	213, 109, 255
RGB Percent	84%, 43%, 100%
CMY	0.1648, 0.5724, 0.0001
CMYK	0.16, 0.57, 0.00, 0.00
HSL	283°, 100%, 71%
HSV	283°, 57%, 100%
XYZ	50.9490, 32.3034, 98.1254
YIQ	156.7400, 15.1180, 67.4540

Conversions

Conversions Part 2

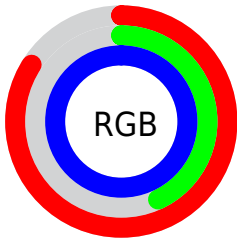
Format	Color
R _Y B	213, 109, 255
Decimal	13987327
CIE Lab	63.59, 63.09, -55.95
CIE LCh	64, 84.330, 318.431
Yxy	32.3034, 0.2809, 0.1781
Android (android.graphics.Color)	4292177407 (0xFFD56DFF)
YUV	156.7400, 48.4422, 49.3400
Hunter-Lab	56.8361, 60.5480, -62.5768

Details

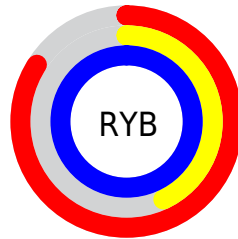
The Yxy color **32.3034, 0.2809, 0.1781** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.1819, 0.3255, 0.5027**, and the grayscale version is **33.3714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **13.5460, 0.2687, 0.1464** is the 20% darker color. If you saturate the color by 10%, you get **26.5573, 0.2732, 0.1559**, and if you desaturate by 10%, it is **39.6790, 0.2882, 0.2033**.

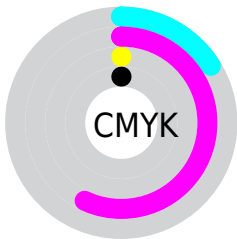
Distribution



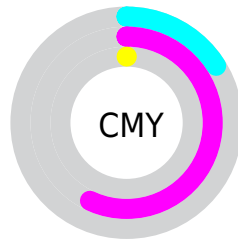
- Red (84%)
- Green (43%)
- Blue (100%)



- Red (84%)
- Yellow (43%)
- Blue (100%)



- Cyan (16%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3034, 0.2809, 0.1781 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 32.3034, 0.2809, 0.1781 by changing the saturation by 10% instead.


 32.3034, 0.2809,
0.1781


 32.3034, 0.2809,
0.1781


312.4990, 0.3001,
0.2463


 21.5933, 0.2754,
0.1634


 63.2864, 0.2884,
0.2011


 13.5584, 0.2682,
0.1460


 84.3282, 0.2911,
0.2103

 7.8142, 0.2583,
0.1251


 109.5826, 0.2933,
0.2183

 3.9763, 0.2442,
0.1000

 139.4342, 0.2952,
0.2253

 1.6603, 0.2233,
0.0704

174.2672, 0.2967,
0.2315

 0.3978, 0.1927,
0.0314

214.4661, 0.2980,

 0.0000, 0.1431,

0.2370

0.0000

260.4152, 0.2992,
0.2419

■ 0.0000, 0.0000,
0.0000

■ 32.3034, 0.2809,
0.1781

■ 32.3034, 0.2809,
0.1781

■ 26.5573, 0.2732,
0.1559

■ 39.6790, 0.2882,
0.2033

■ 22.2954, 0.2653,
0.1378

■ 48.8046, 0.2948,
0.2302

■ 19.3529, 0.2574,
0.1244

■ 59.7936, 0.3007,
0.2577

■ 17.5161, 0.2499,
0.1158

■ 72.7488, 0.3058,
0.2849

■ 17.1151, 0.2478,
0.1139

■ 87.7652, 0.3101,
0.3110

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



32.3034, 0.1828, 0.1536



32.3034, 0.2809, 0.1781



32.3034, 0.4166, 0.2294

Triad

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



32.3034, 0.2809, 0.1781



32.3034, 0.5068, 0.4615



32.3034, 0.1305, 0.3046

Complementary

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



32.3034, 0.2809, 0.1781



79.1819, 0.3255, 0.5027

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.



32.3034, 0.1935, 0.4652



32.3034, 0.2809, 0.1781



32.3034, 0.4087, 0.5481

Square

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



32.3034, 0.2809, 0.1781



32.3034, 0.5607, 0.3749



32.3034, 0.2964, 0.5738



32.3034, 0.1127, 0.2023

Rectangle

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



32.3034, 0.2809, 0.1781



32.3034, 0.5008, 0.2743



32.3034, 0.2964, 0.5738



32.3034, 0.1460, 0.3543

Sweetspot

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



32.3047, 0.2809, 0.1781



73.1030, 0.3059, 0.2856



33.1917, 0.2126, 0.1976



15.0529, 0.3049, 0.2802



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.



32.3047, 0.2809, 0.1781



25.7101, 0.2718, 0.1524



37.6759, 0.3472, 0.2166



18.0225, 0.3092, 0.3052



9.0259, 0.2490, 0.1146



0.9345, 0.2575, 0.1192

Inverse Universe

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



34.4321, 0.4361, 0.2872



28.4621, 0.4782, 0.2833



76.5907, 0.2922, 0.4796



18.0730, 0.3249, 0.3222



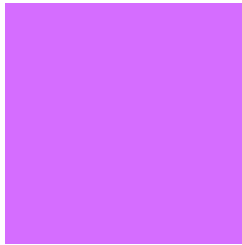
11.3849, 0.5812, 0.2975



1.1264, 0.5492, 0.2799

Previews

White Background



This preview shows how the Yxy color 32.3034, 0.2809, 0.1781 looks on a white background.

Color Contrast Check

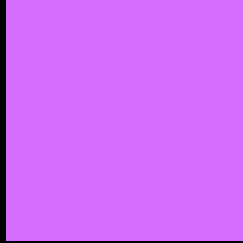
Large Text (above 18pt) WCAG AA × Fail

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 32.3034, 0.2809, 0.1781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

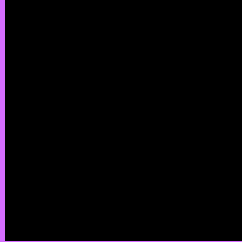
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3034, 0.2809, 0.1781

Background



This preview shows how black text looks on a background with the Yxy color 32.3034, 0.2809, 0.1781.



This preview shows how white text looks on a background with the Yxy color 32.3034, 0.2809, 0.1781.

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

32.3034, 0.2809, 0.1781

Protanopia

32.6682, 0.2125, 0.1953

Deuteranopia

32.5317, 0.2127, 0.2062



Tritanopia

32.1854, 0.3676, 0.3159

Trichromacy



Original Color

32.3034, 0.2809, 0.1781



Protanomaly

31.0314, 0.2308, 0.1842



Deuteranomaly

30.7673, 0.2309, 0.1903



Tritanomaly

31.4631, 0.3333, 0.2546

Monochromacy



Original Color

32.3034, 0.2809, 0.1781



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.9535, 0.3001, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3034, 0.2809, 0.1781 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(213, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 109, 255)  
}
```

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(213, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 109, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.3034, 0.2809, 0.1781 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(213, 109, 255) }
```

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

```
.border{ border-color:rgb(213, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 109, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 109, 255); box-shadow:4px 4px 4px 4px rgb(213, 109, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3034, 0.2809, 0.1781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 109, 255) }
```

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

```
.background{ background-color: rgb(213,  
109, 255) }
```

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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