

Converting Colors

$Y_{xy}(42.0621, 0.2829, 0.2203)$

Have a look what the booklet for
Yxy(42.0621, 0.2829, 0.2203)
contains.

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Color

Yxy(42.0621, 0.2829, 0.2203)

Conversions

Conversions Part 1

Format	Color
Hex	D096F9
RGB	208, 150, 249
RGB Percent	82%, 59%, 98%
CMY	0.1843, 0.4117, 0.0237
CMYK	0.16, 0.40, 0.00, 0.02
HSL	275°, 89%, 78%
HSV	275°, 40%, 98%
XYZ	54.0144, 42.0621, 94.8545
YIQ	178.6280, 2.7890, 43.0850

Conversions

Conversions Part 2

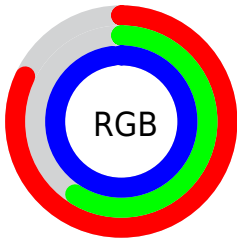
Format	Color
R _Y B	208, 150, 249
Decimal	13670137
CIE Lab	70.91, 39.52, -41.16
CIE LCh	71, 57.065, 313.838
Yxy	42.0621, 0.2829, 0.2203
Android (android.graphics.Color)	4291860217 (0xFFD096F9)
YUV	178.6280, 34.6934, 25.7592
Hunter-Lab	64.8553, 35.1660, -41.3162

Details

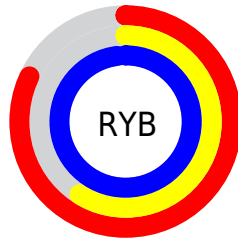
The Yxy color $42.0621, 0.2829, 0.2203$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $80.9929, 0.3322, 0.4423$, and the grayscale version is $44.6838, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $19.2165, 0.2732, 0.1957$ is the 20% darker color. If you saturate the color by 10%, you get $33.4995, 0.2728, 0.1918$, and if you desaturate by 10%, it is $52.4128, 0.2920, 0.2492$.

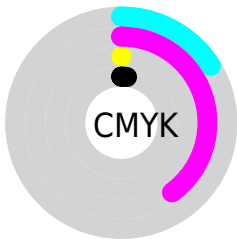
Distribution



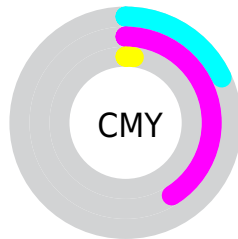
- Red (82%)
- Green (59%)
- Blue (98%)



- Red (82%)
- Yellow (59%)
- Blue (98%)



- Cyan (16%)
- Magenta (40%)
- Yellow (0%)
- Black (2%)





- Cyan (18%)
- Magenta (41%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0621, 0.2829, 0.2203 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 42.0621, 0.2829, 0.2203 by changing the saturation by 10% instead.


 42.0621, 0.2829,
0.2203


 42.0621, 0.2829,
0.2203


354.7403, 0.2991,
0.2704

 29.1499, 0.2786,
0.2091


 78.2936, 0.2890,
0.2375

 19.1943, 0.2731,
0.1954


 102.3817, 0.2912,
0.2443

 11.8107, 0.2656,
0.1785


130.9639, 0.2931,
0.2501

 6.6149, 0.2551,
0.1571

164.4246, 0.2947,
0.2552

 3.2225, 0.2398,
0.1297

203.1482, 0.2960,
0.2597

 1.2490, 0.2159,
0.0943

247.5191, 0.2972,

 0.1012, 0.1827,

0.2637

0.0171

297.9217, 0.2982,
0.2672

0.0000, 0.0043,
0.0000

0.0000, 0.0000,
0.0000

42.0621, 0.2829,
0.2203

42.0621, 0.2829,
0.2203

33.4995, 0.2728,
0.1918

52.4128, 0.2920,
0.2492

26.6100, 0.2619,
0.1649

64.6463, 0.3001,
0.2776

21.2733, 0.2506,
0.1411

78.8571, 0.3070,
0.3045

17.3500, 0.2394,
0.1216

95.1314, 0.3129,
0.3296

■ 14.6744, 0.2287,
0.1073

■ 99.6166, 0.3162,
0.3348

■ 12.9813, 0.2187,
0.0979

■ 12.9434, 0.2185,
0.0977

Harmonies

Analogous

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



42.0621, 0.2179, 0.2059



42.0621, 0.2829, 0.2203



42.0621, 0.3666, 0.2561

Triad

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



42.0621, 0.2829, 0.2203



42.0621, 0.4573, 0.4247



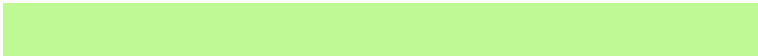
42.0621, 0.1959, 0.3331

Complementary

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



42.0621, 0.2829, 0.2203



80.9929, 0.3322, 0.4423

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.



42.0621, 0.2496, 0.4221



42.0621, 0.2829, 0.2203



42.0621, 0.4006, 0.4711

Square

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



42.0621, 0.2829, 0.2203



42.0621, 0.4753, 0.3658



42.0621, 0.3246, 0.4772



42.0621, 0.1733, 0.2585

Rectangle

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



42.0621, 0.2829, 0.2203



42.0621, 0.4199, 0.2890



42.0621, 0.3246, 0.4772



42.0621, 0.2105, 0.3631

Sweetspot

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



42.0638, 0.2829, 0.2203



79.6840, 0.3055, 0.2985



50.6852, 0.2469, 0.2588



16.6232, 0.3046, 0.2950



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.



42.0638, 0.2829, 0.2203



36.7740, 0.2746, 0.1965



48.2793, 0.3242, 0.2379



17.1458, 0.3071, 0.3051



7.0167, 0.2200, 0.0986



0.7120, 0.2317, 0.1050

Inverse Universe

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



45.7050, 0.3709, 0.2856



41.3546, 0.3893, 0.2769



76.6838, 0.3028, 0.4412



17.3443, 0.3229, 0.3192



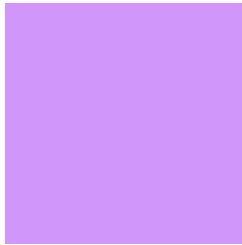
11.3316, 0.5325, 0.2707



1.0700, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 42.0621, 0.2829, 0.2203 looks on a white background.

Color Contrast Check

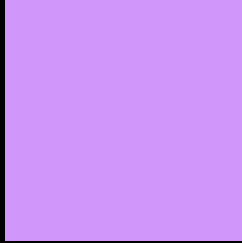
Large Text (above 18pt) WCAG AA × Fail

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 42.0621, 0.2829, 0.2203 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 42.0621, 0.2829, 0.2203

Background



This preview shows how black text looks on a background with the Yxy color 42.0621, 0.2829, 0.2203.



This preview shows how white text looks on a background with the Yxy color 42.0621, 0.2829, 0.2203.

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

42.0621, 0.2829, 0.2203

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.4872, 0.2445, 0.2382



Tritanopia

41.9949, 0.3312, 0.3125

Trichromacy



Original Color

42.0621, 0.2829, 0.2203

Protanomaly

41.6111, 0.2511, 0.2224

Deuteranomaly

41.7508, 0.2568, 0.2306

Tritanomaly

41.9188, 0.3125, 0.2754

Monochromacy



Original Color

42.0621, 0.2829, 0.2203

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.3120, 0.3025, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0621, 0.2829, 0.2203 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(208, 150, 249)` looks like.

```
.text, #text, p{  
    color:rgb(208, 150, 249)  
}
```

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(208, 150, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 150, 249) }
```

Border

The CSS property to change the border of an element to Yxy 42.0621, 0.2829, 0.2203 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(208, 150, 249) }
```

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

```
.border{ border-color:rgb(208, 150, 249) }
```

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

Here you see how a box with a 4 pixel rgb(208, 150, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 150, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 150, 249);  
box-shadow:4px 4px 4px 4px rgb(208, 150,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0621, 0.2829, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 150, 249) }
```

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

```
.background{ background-color: rgb(208,  
150, 249) }
```

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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