

Converting Colors

$Y_{xy}(40.0015, 0.2821, 0.2060)$

Have a look what the booklet for
Yxy(40.0015, 0.2821, 0.2060)
contains.

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Color

Yxy(40.1223, 0.2822, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	D58CFF
RGB	213, 140, 255
RGB Percent	84%, 55%, 100%
CMY	0.1645, 0.4511, 0.0000
CMYK	0.16, 0.45, 0.00, 0.00
HSL	278°, 100%, 77%
HSV	278°, 45%, 100%
XYZ	54.8837, 40.1223, 99.4792
YIQ	174.9370, 6.5930, 51.2410

Conversions

Conversions Part 2

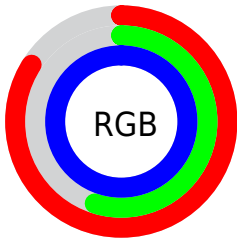
Format	Color
R _{YB}	213, 140, 255
Decimal	13995263
CIE Lab	69.56, 47.58, -46.56
CIE LCh	70, 66.572, 315.625
Yxy	40.1223, 0.2822, 0.2063
Android (android.graphics.Color)	4292185343 (0xFFD58CFF)
YUV	174.9370, 39.4711, 33.3813
Hunter-Lab	63.3422, 43.8151, -48.7757

Details

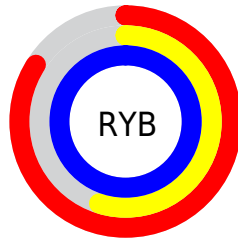
The Yxy color **40.1223, 0.2822, 0.2063** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.3469, 0.3305, 0.4609**, and the grayscale version is **42.6246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **18.1246, 0.2712, 0.1795** is the 20% darker color. If you saturate the color by 10%, you get **32.1646, 0.2730, 0.1793**, and if you desaturate by 10%, it is **49.8862, 0.2907, 0.2346**.

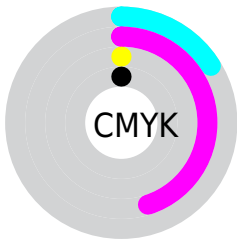
Distribution



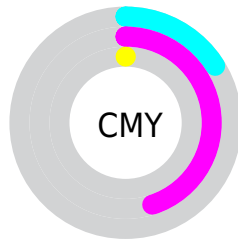
- Red (84%)
- Green (55%)
- Blue (100%)



- Red (84%)
- Yellow (55%)
- Blue (100%)



- Cyan (16%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1223, 0.2822, 0.2063 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 40.1223, 0.2822, 0.2063 by changing the saturation by 10% instead.


 40.1223, 0.2822,
0.2063


 40.1223, 0.2822,
0.2063


346.6388, 0.2993,
0.2622

 27.6339, 0.2776,
0.1940


 75.3497, 0.2887,
0.2254

 18.0499, 0.2717,
0.1792


 98.8575, 0.2910,
0.2329

 10.9858, 0.2636,
0.1610


 126.8073, 0.2930,
0.2394

 6.0573, 0.2523,
0.1385

159.5833, 0.2946,
0.2451

 2.8799, 0.2359,
0.1103

197.5701, 0.2961,
0.2501

 1.0694, 0.2104,
0.0754

241.1520, 0.2973,

 0.0000, 0.1756,

0.2546

0.0000

290.7135, 0.2983,
0.2586

■ 0.0000, 0.0254,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1223, 0.2822,
0.2063

■ 40.1223, 0.2822,
0.2063

■ 32.1646, 0.2730,
0.1793

■ 49.8862, 0.2907,
0.2346

■ 25.8905, 0.2631,
0.1549

■ 61.5666, 0.2982,
0.2629

■ 21.1622, 0.2531,
0.1342

■ 75.2653, 0.3047,
0.2903

■ 17.8190, 0.2432,
0.1184

■ 91.0767, 0.3102,
0.3164

■ 15.6632, 0.2338,
0.1076

100.0000, 0.3127,
0.3290

■ 14.9038, 0.2295,
0.1038

Harmonies

Analogous

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



40.1223, 0.2064, 0.1883



40.1223, 0.2822, 0.2063



40.1223, 0.3816, 0.2476

Triad

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



40.1223, 0.2822, 0.2063



40.1223, 0.4758, 0.4389



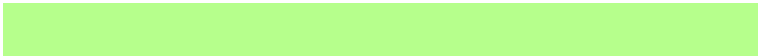
40.1223, 0.1745, 0.3255

Complementary

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



40.1223, 0.2822, 0.2063



83.3469, 0.3305, 0.4609

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.



40.1223, 0.2325, 0.4355



40.1223, 0.2822, 0.2063



40.1223, 0.4061, 0.4962

Square

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



40.1223, 0.2822, 0.2063



40.1223, 0.5036, 0.3709



40.1223, 0.3176, 0.5058



40.1223, 0.1527, 0.2408

Rectangle

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



40.1223, 0.2822, 0.2063



40.1223, 0.4444, 0.2848



40.1223, 0.3176, 0.5058



40.1223, 0.1898, 0.3617

Sweetspot

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



40.1224, 0.2822, 0.2063



76.9140, 0.3054, 0.2933



46.3094, 0.2363, 0.2399



15.7817, 0.3041, 0.2875



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.



40.1224, 0.2822, 0.2063



32.9623, 0.2740, 0.1822



46.2787, 0.3312, 0.2312



17.9499, 0.3079, 0.3052



7.8750, 0.2309, 0.1046



0.8286, 0.2411, 0.1102

Inverse Universe

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



43.3813, 0.3887, 0.2856



36.8614, 0.4123, 0.2781



79.4698, 0.2989, 0.4523



18.0966, 0.3237, 0.3204



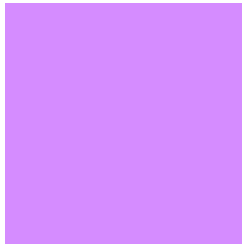
11.5476, 0.5526, 0.2818



1.1445, 0.5214, 0.2646

Previews

White Background



This preview shows how the Yxy color 40.1223, 0.2822, 0.2063 looks on a white background.

Color Contrast Check

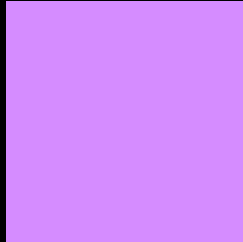
Large Text (above 18pt) WCAG AA × Fail

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 40.1223, 0.2822, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

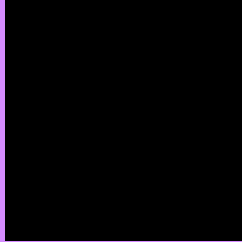
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1223, 0.2822, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 40.1223, 0.2822, 0.2063.



This preview shows how white text looks on a background with the Yxy color 40.1223, 0.2822, 0.2063.

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

40.1223, 0.2822, 0.2063

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.5339, 0.2345, 0.2285



Tritanopia

40.0159, 0.3416, 0.3138

Trichromacy



Original Color

40.1223, 0.2822, 0.2063

Protanomaly

39.4409, 0.2476, 0.2131

Deuteranomaly

39.4181, 0.2494, 0.2177

Tritanomaly

39.6999, 0.3184, 0.2686

Monochromacy



Original Color

40.1223, 0.2822, 0.2063

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.0191, 0.3017, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1223, 0.2822, 0.2063 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 140, 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, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1223, 0.2822, 0.2063 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, 140, 255) }
```

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

```
.border{ border-color:rgb(213, 140, 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, 140, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1223, 0.2822, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 140, 255) }
```

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

```
.background{ background-color: rgb(213,  
140, 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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