

Converting Colors

$Y_{xy}(45.0192, 0.2739, 0.2248)$

Have a look what the booklet for
Yxy(45.0192, 0.2739, 0.2248)
contains.

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Color

Yxy(45.1272, 0.2738, 0.2251)

Conversions

Conversions Part 1

Format	Color
Hex	C9A1FF
RGB	201, 161, 255
RGB Percent	79%, 63%, 100%
CMY	0.2117, 0.3687, 0.0000
CMYK	0.21, 0.37, 0.00, 0.00
HSL	266°, 100%, 82%
HSV	266°, 37%, 100%
XYZ	54.8904, 45.1272, 100.4586
YIQ	183.6760, -6.3340, 37.7140

Conversions

Conversions Part 2

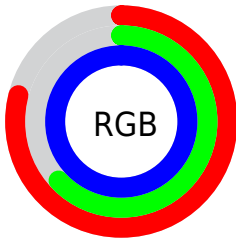
Format	Color
R_{YB}	201, 161, 255
Decimal	13214207
CIE _{Lab}	72.98, 32.86, -41.30
CIE _{LCh}	73, 52.778, 308.513
Yxy	45.1272, 0.2738, 0.2251
Android (android.graphics.Color)	4291404287 (0xFFC9A1FF)
YUV	183.6760, 35.1627, 15.1931
Hunter-Lab	67.1768, 28.2936, -41.6407

Details

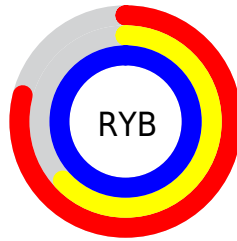
The Yxy color $45.1272, 0.2738, 0.2251$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $88.5358, 0.3411, 0.4301$, and the grayscale version is $47.5494, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $21.0342, 0.2618, 0.2014$ is the 20% darker color. If you saturate the color by 10%, you get $35.1713, 0.2601, 0.1941$, and if you desaturate by 10%, it is $57.0921, 0.2863, 0.2557$.

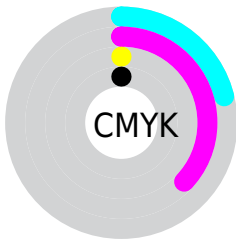
Distribution



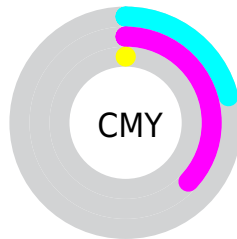
- Red (79%)
- Green (63%)
- Blue (100%)



- Red (79%)
- Yellow (63%)
- Blue (100%)



- Cyan (21%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1272, 0.2738, 0.2251 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 45.1272, 0.2738, 0.2251 by changing the saturation by 10% instead.


 45.1272, 0.2738,
0.2251


 45.1272, 0.2738,
0.2251


367.2885, 0.2940,
0.2729

 31.5576, 0.2687,
0.2144


 82.9113, 0.2812,
0.2415

 21.0238, 0.2622,
0.2014


 107.8945, 0.2840,
0.2480

 13.1414, 0.2537,
0.1853


137.4512, 0.2863,
0.2535

 7.5260, 0.2420,
0.1650

171.9655, 0.2883,
0.2584

 3.7932, 0.2254,
0.1388

211.8221, 0.2900,
0.2627

 1.5586, 0.2005,
0.1047

257.4051, 0.2915,

 0.3294, 0.1639,

0.2665

0.0471

309.0991, 0.2928,
0.2699

0.0000, 0.0247,
0.0000

0.0000, 0.0000,
0.0000

45.1272, 0.2738,
0.2251

45.1272, 0.2738,
0.2251

35.1713, 0.2601,
0.1941

57.0921, 0.2863,
0.2557

27.1103, 0.2454,
0.1639

71.1754, 0.2974,
0.2848

20.8142, 0.2303,
0.1362

87.4755, 0.3070,
0.3118

16.1374, 0.2156,
0.1128

100.0000, 0.3127,
0.3290

■ 12.9092, 0.2020,
0.0949

■ 10.9150, 0.1902,
0.0831

■ 10.4443, 0.1868,
0.0803

Harmonies

Analogous

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



45.1272, 0.2180, 0.2159



45.1272, 0.2738, 0.2251



45.1272, 0.3481, 0.2552

Triad

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



45.1272, 0.2738, 0.2251



45.1272, 0.4508, 0.4092



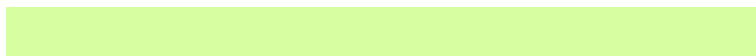
45.1272, 0.2130, 0.3476

Complementary

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



45.1272, 0.2738, 0.2251



88.5358, 0.3411, 0.4301

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.



45.1272, 0.2673, 0.4243



45.1272, 0.2738, 0.2251



45.1272, 0.4050, 0.4533

Square

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



45.1272, 0.2738, 0.2251



45.1272, 0.4581, 0.3546



45.1272, 0.3377, 0.4648



45.1272, 0.1863, 0.2759

Rectangle

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



45.1272, 0.2738, 0.2251



45.1272, 0.3978, 0.2843



45.1272, 0.3377, 0.4648



45.1272, 0.2284, 0.3746

Sweetspot

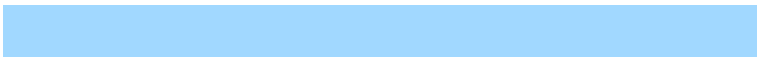
The Sweet Spot groups the original color and five complimentary colors.



45.1264, 0.2738, 0.2251



80.4630, 0.3032, 0.3009



63.8204, 0.2545, 0.2837



16.7482, 0.3019, 0.2973



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.



45.1264, 0.2738, 0.2251



37.8260, 0.2641, 0.2030



52.5107, 0.3106, 0.2357



17.7558, 0.3046, 0.3049



5.5410, 0.1885, 0.0812



0.6023, 0.2011, 0.0881

Inverse Universe

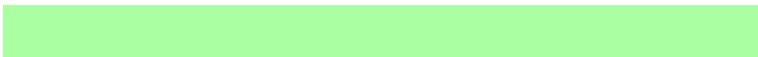
The Inverse Universe completely reimagines the original color for something new.



51.6513, 0.3512, 0.2738



45.3610, 0.3616, 0.2632



82.5085, 0.3120, 0.4399



18.1619, 0.3204, 0.3154



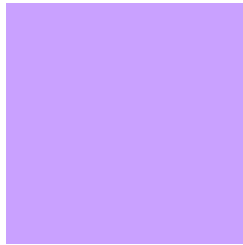
12.2307, 0.4651, 0.2336



1.2127, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 45.1272, 0.2738, 0.2251 looks on a white background.

Color Contrast Check

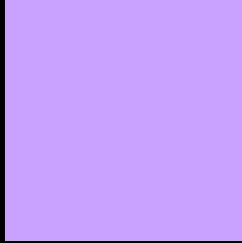
Large Text (above 18pt) WCAG AA × Fail

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 45.1272, 0.2738, 0.2251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

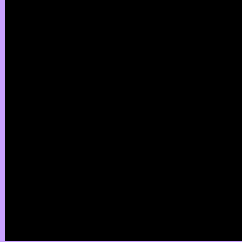
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1272, 0.2738, 0.2251

Background



This preview shows how black text looks on a background with the Yxy color 45.1272, 0.2738, 0.2251.



This preview shows how white text looks on a background with the Yxy color 45.1272, 0.2738, 0.2251.

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

45.1272, 0.2738, 0.2251

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3426, 0.2449, 0.2382



Tritanopia

45.1096, 0.3144, 0.3124

Trichromacy



Original Color

45.1272, 0.2738, 0.2251

Protanomaly

45.0037, 0.2532, 0.2307

Deuteranomaly

44.8756, 0.2544, 0.2326

Tritanomaly

44.8404, 0.2988, 0.2777

Monochromacy



Original Color

45.1272, 0.2738, 0.2251

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.6510, 0.2979, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1272, 0.2738, 0.2251 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(201, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 161, 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(201, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1272, 0.2738, 0.2251 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(201, 161, 255) }
```

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

```
.border{ border-color:rgb(201, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1272, 0.2738, 0.2251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 161, 255) }
```

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

```
.background{ background-color: rgb(201,  
161, 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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