

Converting Colors

Yxy(49.9686, 0.2625, 0.2214)

Have a look what the booklet for
Yxy(49.9686, 0.2625, 0.2214)
contains.

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Color

Yxy(48.8672, 0.2732, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	C7ACFF
RGB	199, 172, 255
RGB Percent	78%, 67%, 100%
CMY	0.2196, 0.3255, 0.0001
CMYK	0.22, 0.33, 0.00, 0.00
HSL	260°, 100%, 84%
HSV	260°, 33%, 100%
XYZ	56.3551, 48.8672, 101.0555
YIQ	189.5350, -10.5510, 31.5370

Conversions

Conversions Part 2

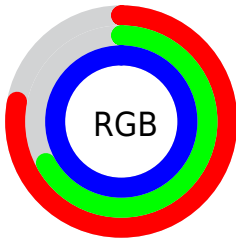
Format	Color
R _Y B	199, 172, 255
Decimal	13085951
CIE Lab	75.37, 26.22, -37.56
CIE LCh	75, 45.803, 304.922
Yxy	48.8672, 0.2732, 0.2369
Android (android.graphics.Color)	4291276031 (0xFFC7ACFF)
YUV	189.5350, 32.2742, 8.3008
Hunter-Lab	69.9051, 21.5667, -36.7767

Details

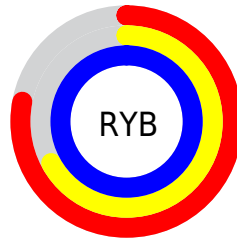
The Yxy color **48.8672, 0.2732, 0.2369** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.9788, 0.3436, 0.4158**, and the grayscale version is **51.0289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **23.2002, 0.2622, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **37.8551, 0.2577, 0.2047**, and if you desaturate by 10%, it is **62.0111, 0.2872, 0.2678**.

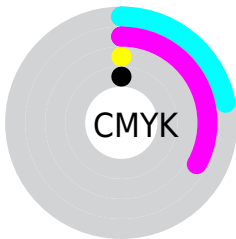
Distribution



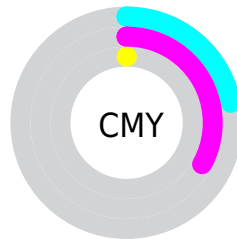
- Red (78%)
- Green (67%)
- Blue (100%)



- Red (78%)
- Yellow (67%)
- Blue (100%)



- Cyan (22%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8672, 0.2732, 0.2369 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 48.8672, 0.2732, 0.2369 by changing the saturation by 10% instead.


 48.8672, 0.2732,
0.2369

 48.8672, 0.2732,
0.2369


382.2193, 0.2932,
0.2794

 34.5141, 0.2683,
0.2274


 88.4942, 0.2804,
0.2515

 23.2889, 0.2620,
0.2157

114.5369, 0.2831,
0.2573

 14.8069, 0.2539,
0.2012


145.2450, 0.2855,
0.2622

 8.6840, 0.2429,
0.1827

181.0028, 0.2874,
0.2665

 4.5357, 0.2274,
0.1585

222.1947, 0.2892,
0.2703

 1.9775, 0.2044,
0.1264

269.2052, 0.2907,

 0.5943, 0.1689,

0.2737

0.0797

322.4186, 0.2920,
0.2767

0.0000, 0.0567,
0.0000

0.0000, 0.0000,
0.0000

48.8672, 0.2732,
0.2369

48.8672, 0.2732,
0.2369

37.8551, 0.2577,
0.2047

62.0111, 0.2872,
0.2678

28.8532, 0.2411,
0.1726

77.3876, 0.2995,
0.2965

21.7365, 0.2241,
0.1421

95.0981, 0.3102,
0.3228

16.3632, 0.2075,
0.1152

99.9990, 0.3127,
0.3290

■ 12.5702, 0.1924,
0.0938

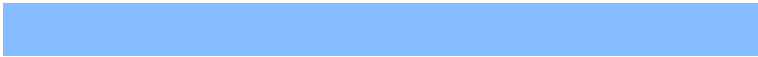
■ 10.1618, 0.1795,
0.0790

■ 9.0574, 0.1717,
0.0720

Harmonies

Analogous

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



48.8672, 0.2269, 0.2318



48.8672, 0.2732, 0.2369



48.8672, 0.3354, 0.2613

Triad

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



48.8672, 0.2732, 0.2369



48.8672, 0.4334, 0.3947



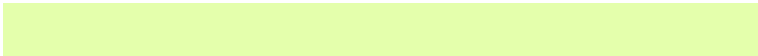
48.8672, 0.2322, 0.3535

Complementary

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



48.8672, 0.2732, 0.2369



90.9788, 0.3436, 0.4158

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.



48.8672, 0.2819, 0.4142



48.8672, 0.2732, 0.2369



48.8672, 0.3988, 0.4324

Square

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



48.8672, 0.2732, 0.2369



48.8672, 0.4338, 0.3473



48.8672, 0.3429, 0.4437



48.8672, 0.2050, 0.2914

Rectangle

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



48.8672, 0.2732, 0.2369



48.8672, 0.3778, 0.2861



48.8672, 0.3429, 0.4437



48.8672, 0.2466, 0.3754

Sweetspot

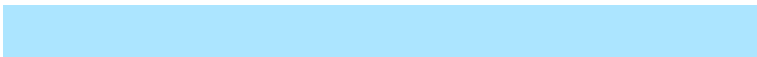
The Sweet Spot groups the original color and five complimentary colors.



48.8692, 0.2732, 0.2369



81.6781, 0.3024, 0.3035



71.8667, 0.2625, 0.2994



16.9723, 0.3008, 0.2997



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.



48.8692, 0.2732, 0.2369



41.5270, 0.2634, 0.2162



55.2108, 0.3045, 0.2448



17.6647, 0.3030, 0.3048



4.8046, 0.1732, 0.0728



0.5240, 0.1853, 0.0794

Inverse Universe

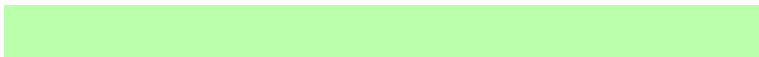
The Inverse Universe completely reimagines the original color for something new.



56.3638, 0.3382, 0.2724



50.1941, 0.3450, 0.2611



85.0807, 0.3173, 0.4234



18.1939, 0.3188, 0.3131



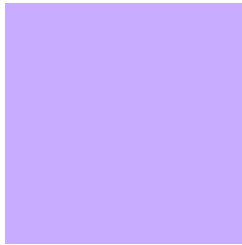
12.6939, 0.4246, 0.2113



1.2561, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 48.8672, 0.2732, 0.2369 looks on a white background.

Color Contrast Check

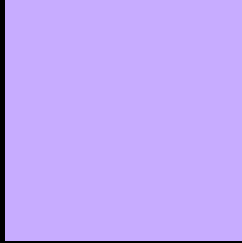
Large Text (above 18pt) WCAG AA × Fail

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 48.8672, 0.2732, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

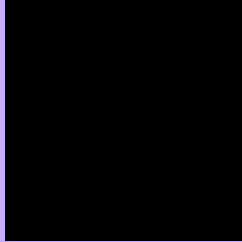
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8672, 0.2732, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 48.8672, 0.2732, 0.2369.



This preview shows how white text looks on a background with the Yxy color 48.8672, 0.2732, 0.2369.

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

48.8672, 0.2732, 0.2369

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

49.0658, 0.2530, 0.2463



Tritanopia

48.7630, 0.3061, 0.3102

Trichromacy



Original Color

48.8672, 0.2732, 0.2369

Protanomaly

48.8073, 0.2584, 0.2412

Deuteranomaly

48.8609, 0.2597, 0.2423

Tritanomaly

48.6921, 0.2937, 0.2809

Monochromacy



Original Color

48.8672, 0.2732, 0.2369

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.0595, 0.2974, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8672, 0.2732, 0.2369 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(199, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 172, 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(199, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.8672, 0.2732, 0.2369 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(199, 172, 255) }
```

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

```
.border{ border-color:rgb(199, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8672, 0.2732, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 172, 255) }
```

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

```
.background{ background-color: rgb(199,  
172, 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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