

Converting Colors

$Y_{xy}(44.6703, 0.2797, 0.2220)$

Have a look what the booklet for
Yxy(44.6703, 0.2797, 0.2220)
contains.

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Color

Yxy(44.5522, 0.2797, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	D19CFF
RGB	209, 156, 255
RGB Percent	82%, 61%, 100%
CMY	0.1804, 0.3882, 0.0000
CMYK	0.18, 0.39, 0.00, 0.00
HSL	272°, 100%, 81%
HSV	272°, 39%, 100%
XYZ	56.2331, 44.5522, 100.2626
YIQ	183.1330, -0.1910, 42.0250

Conversions

Conversions Part 2

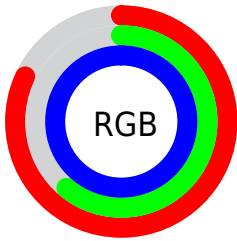
Format	Color
RYB	209, 156, 255
Decimal	13737215
CIELab	72.60, 37.87, -41.82
CIELCh	73, 56.420, 312.158
Yxy	44.5522, 0.2797, 0.2216
Android (android.graphics.Color)	4291927295 (0xFFD19CFF)
YUV	183.1330, 35.4304, 22.6854
Hunter-Lab	66.7474, 33.5739, -42.3374

Details

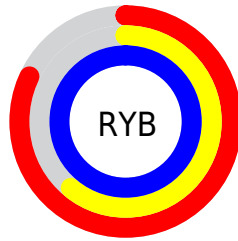
The Yxy color **44.5522, 0.2797, 0.2216** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.4793, 0.3352, 0.4384**, and the grayscale version is **47.2321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **20.7502, 0.2694, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **35.2089, 0.2684, 0.1922**, and if you desaturate by 10%, it is **55.8209, 0.2900, 0.2512**.

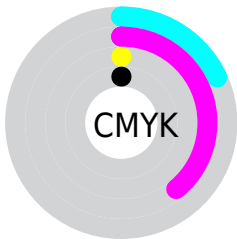
Distribution



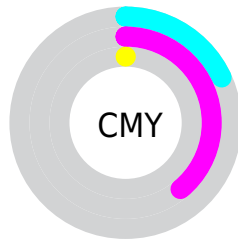
- Red (82%)
- Green (61%)
- Blue (100%)



- Red (82%)
- Yellow (61%)
- Blue (100%)



- Cyan (18%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5522, 0.2797, 0.2216 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 44.5522, 0.2797, 0.2216 by changing the saturation by 10% instead.


 44.5522, 0.2797,
0.2216


 44.5522, 0.2797,
0.2216


364.9569, 0.2972,
0.2708

 31.1049, 0.2752,
0.2107


 82.0480, 0.2862,
0.2384

 20.6787, 0.2694,
0.1974


 106.8653, 0.2886,
0.2451

 12.8894, 0.2617,
0.1810


136.2414, 0.2906,
0.2508

 7.3524, 0.2510,
0.1604

170.5606, 0.2924,
0.2558

 3.6834, 0.2357,
0.1340

210.2073, 0.2938,
0.2602

 1.4981, 0.2124,
0.1000

255.5660, 0.2951,

 0.2874, 0.1779,

0.2641

0.0409

307.0211, 0.2962,
0.2676

0.0000, 0.0555,
0.0000

0.0000, 0.0000,
0.0000

44.5522, 0.2797,
0.2216

44.5522, 0.2797,
0.2216

35.2089, 0.2684,
0.1922

55.8209, 0.2900,
0.2512

27.6741, 0.2562,
0.1642

69.1203, 0.2990,
0.2798

21.8189, 0.2436,
0.1391

84.5489, 0.3068,
0.3068

17.4965, 0.2312,
0.1183

100.0000, 0.3127,
0.3290

■ 14.5331, 0.2194,
0.1028

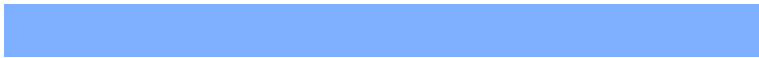
■ 12.6781, 0.2087,
0.0927

■ 12.4946, 0.2075,
0.0917

Harmonies

Analogous

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



44.5522, 0.2177, 0.2089



44.5522, 0.2797, 0.2216



44.5522, 0.3605, 0.2556

Triad

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



44.5522, 0.2797, 0.2216



44.5522, 0.4556, 0.4198



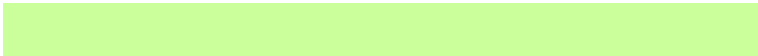
44.5522, 0.2012, 0.3380

Complementary

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



44.5522, 0.2797, 0.2216



86.4793, 0.3352, 0.4384

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.



44.5522, 0.2553, 0.4233



44.5522, 0.2797, 0.2216



44.5522, 0.4024, 0.4654

Square

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



44.5522, 0.2797, 0.2216



44.5522, 0.4701, 0.3621



44.5522, 0.3290, 0.4735



44.5522, 0.1772, 0.2641

Rectangle

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



44.5522, 0.2797, 0.2216



44.5522, 0.4128, 0.2873



44.5522, 0.3290, 0.4735



44.5522, 0.2161, 0.3672

Sweetspot

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



44.5525, 0.2797, 0.2216



79.4083, 0.3045, 0.2984



56.6248, 0.2493, 0.2667



16.5582, 0.3035, 0.2949



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.



44.5525, 0.2797, 0.2216



36.7725, 0.2705, 0.1975



52.0480, 0.3199, 0.2357



17.8565, 0.3063, 0.3050



6.6185, 0.2091, 0.0926



0.7095, 0.2210, 0.0991

Inverse Universe

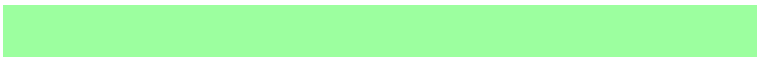
The Inverse Universe completely reimagines the original color for something new.



49.3038, 0.3642, 0.2815



42.3850, 0.3803, 0.2718



81.1023, 0.3055, 0.4444



18.1276, 0.3221, 0.3180



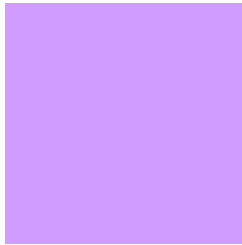
11.8282, 0.5114, 0.2591



1.1735, 0.4841, 0.2440

Previews

White Background



This preview shows how the Yxy color 44.5522, 0.2797, 0.2216 looks on a white background.

Color Contrast Check

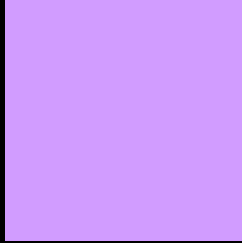
Large Text (above 18pt) WCAG AA × Fail

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 44.5522, 0.2797, 0.2216 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 44.5522, 0.2797, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 44.5522, 0.2797, 0.2216.



This preview shows how white text looks on a background with the Yxy color 44.5522, 0.2797, 0.2216.

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

44.5522, 0.2797, 0.2216

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.6911, 0.2440, 0.2377



Tritanopia

44.4568, 0.3252, 0.3127

Trichromacy



Original Color

44.5522, 0.2797, 0.2216



Protanomaly

44.4802, 0.2543, 0.2286



Deuteranomaly

44.2884, 0.2560, 0.2315

Tritanomaly

44.3431, 0.3073, 0.2761

Monochromacy



Original Color

44.5522, 0.2797, 0.2216



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.6971, 0.3003, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5522, 0.2797, 0.2216 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(209, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 156, 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(209, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5522, 0.2797, 0.2216 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(209, 156, 255) }
```

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

```
.border{ border-color:rgb(209, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5522, 0.2797, 0.2216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 156, 255) }
```

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

```
.background{ background-color: rgb(209,  
156, 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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