

Converting Colors

$Y_{xy}(55.2908, 0.2240, 0.1521)$

Have a look what the booklet for
Yxy(55.2908, 0.2240, 0.1521)
contains.

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Color

Yxy(45.6708, 0.2822, 0.2244)

Conversions

Conversions Part 1

Format	Color
Hex	D49EFF
RGB	212, 158, 255
RGB Percent	83%, 62%, 100%
CMY	0.1686, 0.3804, 0.0000
CMYK	0.17, 0.38, 0.00, 0.00
HSL	273°, 100%, 81%
HSV	273°, 38%, 100%
XYZ	57.4345, 45.6708, 100.4188
YIQ	185.2040, 1.0470, 41.6150

Conversions

Conversions Part 2

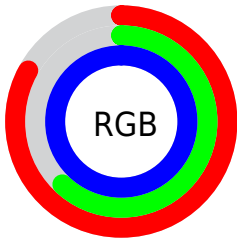
Format	Color
R _Y B	212, 158, 255
Decimal	13934335
CIE Lab	73.33, 37.67, -40.66
CIE LCh	73, 55.424, 312.813
Yxy	45.6708, 0.2822, 0.2244
Android (android.graphics.Color)	4292124415 (0xFFD49EFF)
YUV	185.2040, 34.4094, 23.5001
Hunter-Lab	67.5802, 33.4368, -40.7941

Details

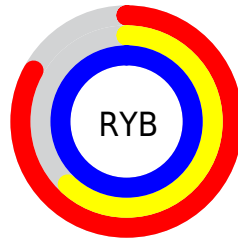
The Yxy color **45.6708, 0.2822, 0.2244** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.4029, 0.3335, 0.4365**, and the grayscale version is **48.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **21.4532, 0.2727, 0.2014** is the 20% darker color. If you saturate the color by 10%, you get **36.2349, 0.2715, 0.1953**, and if you desaturate by 10%, it is **57.0290, 0.2919, 0.2537**.

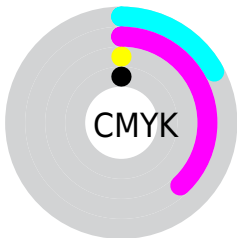
Distribution



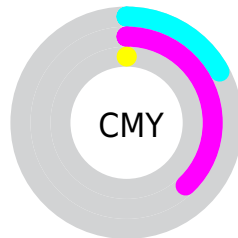
- Red (83%)
- Green (62%)
- Blue (100%)



- Red (83%)
- Yellow (62%)
- Blue (100%)



- Cyan (17%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6708, 0.2822, 0.2244 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 45.6708, 0.2822, 0.2244 by changing the saturation by 10% instead.


 45.6708, 0.2822,
0.2244

 45.6708, 0.2822,
0.2244


369.4836, 0.2984,
0.2722

 31.9861, 0.2780,
0.2138


 83.7261, 0.2882,
0.2408

 21.3509, 0.2726,
0.2009


 108.8655, 0.2905,
0.2472

 13.3807, 0.2655,
0.1850


138.5920, 0.2923,
0.2528

 7.6912, 0.2556,
0.1649

173.2899, 0.2939,
0.2576

 3.8980, 0.2413,
0.1391

213.3436, 0.2953,
0.2619

 1.6167, 0.2194,
0.1056

259.1375, 0.2965,

 0.3688, 0.1863,

0.2657

0.0510

311.0560, 0.2975,
0.2692

0.0000, 0.0805,
0.0000

0.0000, 0.0000,
0.0000

45.6708, 0.2822,
0.2244

45.6708, 0.2822,
0.2244

36.2349, 0.2715,
0.1953

57.0290, 0.2919,
0.2537

28.6062, 0.2599,
0.1675

70.4143, 0.3004,
0.2821

22.6574, 0.2479,
0.1425

85.9243, 0.3077,
0.3089

18.2434, 0.2359,
0.1217

100.0000, 0.3127,
0.3290

■ 15.1937, 0.2245,
0.1061

■ 13.2775, 0.2140,
0.0958

■ 12.9714, 0.2120,
0.0942

Harmonies

Analogous

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



45.6708, 0.2209, 0.2115



45.6708, 0.2822, 0.2244



45.6708, 0.3612, 0.2582

Triad

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



45.6708, 0.2822, 0.2244



45.6708, 0.4516, 0.4193



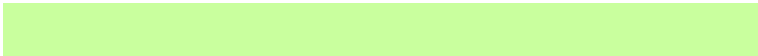
45.6708, 0.2030, 0.3362

Complementary

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



45.6708, 0.2822, 0.2244



86.4029, 0.3335, 0.4365

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.



45.6708, 0.2555, 0.4189



45.6708, 0.2822, 0.2244



45.6708, 0.3992, 0.4629

Square

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



45.6708, 0.2822, 0.2244



45.6708, 0.4664, 0.3631



45.6708, 0.3273, 0.4690



45.6708, 0.1800, 0.2646

Rectangle

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



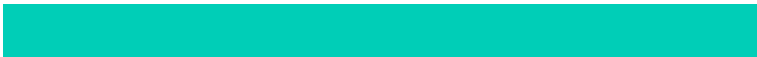
45.6708, 0.2822, 0.2244



45.6708, 0.4117, 0.2895



45.6708, 0.3273, 0.4690



45.6708, 0.2174, 0.3644

Sweetspot

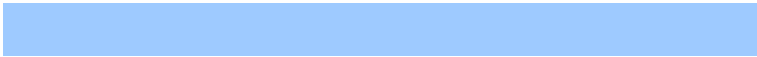
The Sweet Spot groups the original color and five complimentary colors.



45.6709, 0.2822, 0.2244



81.1092, 0.3056, 0.3011



56.5638, 0.2503, 0.2662



16.9021, 0.3047, 0.2975



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.



45.6709, 0.2822, 0.2244



38.0107, 0.2738, 0.2012



52.6231, 0.3210, 0.2388



17.8766, 0.3067, 0.3051



6.8678, 0.2136, 0.0951



0.7335, 0.2252, 0.1014

Inverse Universe

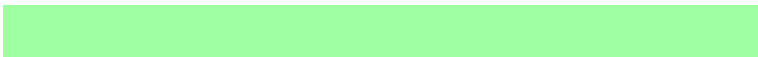
The Inverse Universe completely reimagines the original color for something new.



49.9276, 0.3648, 0.2846



43.0546, 0.3810, 0.2755



81.4272, 0.3048, 0.4397



18.1208, 0.3224, 0.3185



11.7606, 0.5205, 0.2641



1.1667, 0.4922, 0.2485

Previews

White Background



This preview shows how the Yxy color 45.6708, 0.2822, 0.2244 looks on a white background.

Color Contrast Check

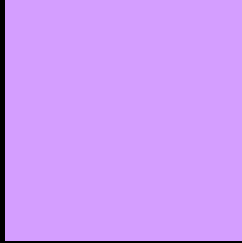
Large Text (above 18pt) WCAG AA × Fail

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 45.6708, 0.2822, 0.2244 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 45.6708, 0.2822, 0.2244

Background



This preview shows how black text looks on a background with the Yxy color 45.6708, 0.2822, 0.2244.



This preview shows how white text looks on a background with the Yxy color 45.6708, 0.2822, 0.2244.

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

45.6708, 0.2822, 0.2244

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

45.8737, 0.2469, 0.2407



Tritanopia

45.4677, 0.3270, 0.3117

Trichromacy



Original Color

45.6708, 0.2822, 0.2244



Protanomaly

45.5759, 0.2566, 0.2315



Deuteranomaly

45.3842, 0.2584, 0.2344



Tritanomaly

45.3197, 0.3099, 0.2767

Monochromacy



Original Color

45.6708, 0.2822, 0.2244



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.9152, 0.3020, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6708, 0.2822, 0.2244 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(212, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 158, 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(212, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.6708, 0.2822, 0.2244 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(212, 158, 255) }
```

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

```
.border{ border-color:rgb(212, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6708, 0.2822, 0.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 158, 255) }
```

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

```
.background{ background-color: rgb(212,  
158, 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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