

Converting Colors

$Y_{xy}(42.6540, 0.2764, 0.2164)$

Have a look what the booklet for
Yxy(42.6540, 0.2764, 0.2164)
contains.

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Color

Yxy(42.6556, 0.2763, 0.2164)

Conversions

Conversions Part 1

Format	Color
Hex	CD98FF
RGB	205, 152, 255
RGB Percent	80%, 60%, 100%
CMY	0.1960, 0.4040, 0.0000
CMYK	0.20, 0.40, 0.00, 0.00
HSL	271°, 100%, 80%
HSV	271°, 40%, 100%
XYZ	54.4628, 42.6556, 99.9962
YIQ	179.5890, -1.4750, 43.2690

Conversions

Conversions Part 2

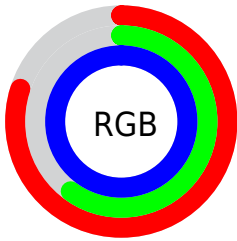
Format	Color
R _Y B	205, 152, 255
Decimal	13474047
CIE Lab	71.32, 38.91, -43.85
CIE LCh	71, 58.627, 311.586
Yxy	42.6556, 0.2763, 0.2164
Android (android.graphics.Color)	4291664127 (0xFFCD98FF)
YUV	179.5890, 37.1776, 22.2854
Hunter-Lab	65.3113, 34.5557, -45.0594

Details

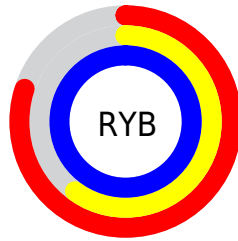
The Yxy color **42.6556, 0.2763, 0.2164** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.3388, 0.3373, 0.4427**, and the grayscale version is **45.2078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1056, 0.3149, 0.2821**, and **19.5811, 0.2648, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **33.5587, 0.2643, 0.1868**, and if you desaturate by 10%, it is **53.6702, 0.2872, 0.2463**.

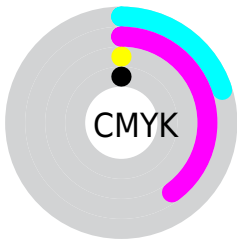
Distribution



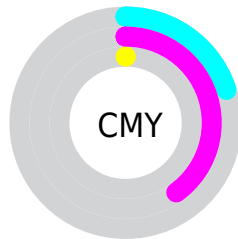
- Red (80%)
- Green (60%)
- Blue (100%)



- Red (80%)
- Yellow (60%)
- Blue (100%)



- Cyan (20%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6556, 0.2763, 0.2164 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 42.6556, 0.2763, 0.2164 by changing the saturation by 10% instead.

 42.6556, 0.2763,
0.2164

 42.6556, 0.2763,
0.2164


357.1935, 0.2957,
0.2680

 29.6150, 0.2713,
0.2049


 79.1909, 0.2835,
0.2341

 19.5465, 0.2649,
0.1910


 103.4544, 0.2862,
0.2410

 12.0659, 0.2563,
0.1739


132.2276, 0.2884,
0.2471

 6.7885, 0.2446,
0.1524

165.8949, 0.2903,
0.2523

 3.3302, 0.2277,
0.1250

204.8408, 0.2919,
0.2569

 1.3065, 0.2021,
0.0903

249.4496, 0.2933,

 0.1462, 0.1660,

0.2611

0.0218

300.1057, 0.2946,
0.2647

■ 0.0000, 0.0147,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6556, 0.2763,
0.2164

■ 42.6556, 0.2763,
0.2164

■ 33.5587, 0.2643,
0.1868

■ 53.6702, 0.2872,
0.2463

■ 26.2619, 0.2515,
0.1588

■ 66.7113, 0.2969,
0.2753

■ 20.6332, 0.2385,
0.1340

■ 81.8783, 0.3053,
0.3027

■ 16.5217, 0.2257,
0.1136

■ 99.2643, 0.3125,
0.3280

■ 13.7476, 0.2137,
0.0988

100.0000, 0.3127,
0.3290

■ 12.0675, 0.2033,
0.0894

Harmonies

Analogous

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



42.6556, 0.2122, 0.2035



42.6556, 0.2763, 0.2164



42.6556, 0.3612, 0.2513

Triad

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



42.6556, 0.2763, 0.2164



42.6556, 0.4631, 0.4218



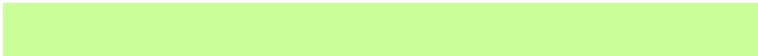
42.6556, 0.1965, 0.3398

Complementary

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



42.6556, 0.2763, 0.2164



86.3388, 0.3373, 0.4427

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.



42.6556, 0.2533, 0.4305



42.6556, 0.2763, 0.2164



42.6556, 0.4072, 0.4713

Square

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



42.6556, 0.2763, 0.2164



42.6556, 0.4781, 0.3614



42.6556, 0.3305, 0.4825



42.6556, 0.1713, 0.2614

Rectangle

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



42.6556, 0.2763, 0.2164



42.6556, 0.4167, 0.2840



42.6556, 0.3305, 0.4825



42.6556, 0.2121, 0.3709

Sweetspot

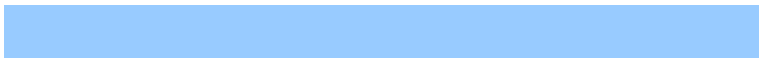
The Sweet Spot groups the original color and five complimentary colors.



42.6553, 0.2763, 0.2164



79.2987, 0.3040, 0.2984



56.8404, 0.2474, 0.2680



16.5324, 0.3030, 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.



42.6553, 0.2763, 0.2164



35.5697, 0.2673, 0.1938



50.9332, 0.3174, 0.2293



17.8376, 0.3060, 0.3050



6.3949, 0.2050, 0.0903



0.6877, 0.2171, 0.0970

Inverse Universe

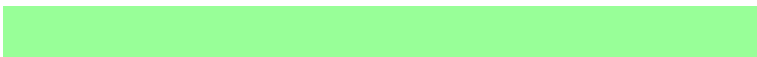
The Inverse Universe completely reimagines the original color for something new.



47.9759, 0.3651, 0.2775



41.7309, 0.3797, 0.2682



80.4611, 0.3068, 0.4541



18.1339, 0.3218, 0.3175



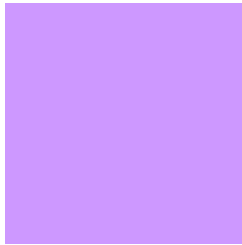
11.8954, 0.5027, 0.2543



1.1802, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 42.6556, 0.2763, 0.2164 looks on a white background.

Color Contrast Check

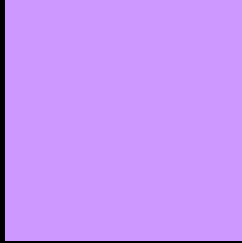
Large Text (above 18pt) WCAG AA × Fail

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 42.6556, 0.2763, 0.2164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

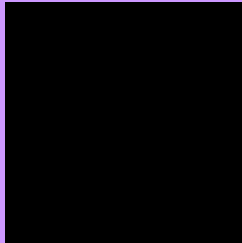
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6556, 0.2763, 0.2164

Background



This preview shows how black text looks on a background with the Yxy color 42.6556, 0.2763, 0.2164.



This preview shows how white text looks on a background with the Yxy color 42.6556, 0.2763, 0.2164.

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

42.6556, 0.2763, 0.2164

Protanopia

42.9281, 0.2381, 0.2280

Deuteranopia

42.8719, 0.2391, 0.2328



Tritanopia

42.6789, 0.3245, 0.3124

Trichromacy



Original Color

42.6556, 0.2763, 0.2164



Protanomaly

42.4551, 0.2503, 0.2230



Deuteranomaly

42.1540, 0.2513, 0.2256



Tritanomaly

42.2650, 0.3055, 0.2728

Monochromacy



Original Color

42.6556, 0.2763, 0.2164



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.0733, 0.2993, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6556, 0.2763, 0.2164 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(205, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 152, 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(205, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6556, 0.2763, 0.2164 is called "border". The border property can be set on classes, ids or directly on the HTML element.

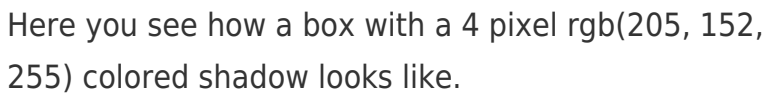
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 152, 255) }
```

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

```
.border{ border-color:rgb(205, 152, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 152, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 152, 255); box-shadow:4px 4px 4px 4px rgb(205, 152, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6556, 0.2763, 0.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 152, 255) }
```

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

```
.background{ background-color: rgb(205,  
152, 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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