

Converting Colors

$Y_{xy}(46.2062, 0.2525, 0.1747)$

Have a look what the booklet for
Yxy(46.2062, 0.2525, 0.1747)
contains.

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Color

Yxy(42.3762, 0.2865, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	DA91FF
RGB	218, 145, 255
RGB Percent	85%, 57%, 100%
CMY	0.1452, 0.4313, 0.0000
CMYK	0.15, 0.43, 0.00, 0.00
HSL	280°, 100%, 78%
HSV	280°, 43%, 100%
XYZ	57.0794, 42.3762, 99.7743
YIQ	179.3670, 8.1980, 49.6860

Conversions

Conversions Part 2

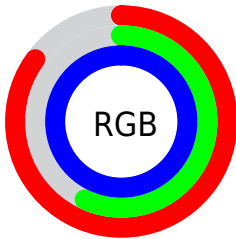
Format	Color
R _Y B	218, 145, 255
Decimal	14324223
CIE Lab	71.13, 46.28, -44.04
CIE LCh	71, 63.886, 316.426
Yxy	42.3762, 0.2865, 0.2127
Android (android.graphics.Color)	4292514303 (0xFFDA91FF)
YUV	179.3670, 37.2871, 33.8811
Hunter-Lab	65.0970, 42.5954, -45.3060

Details

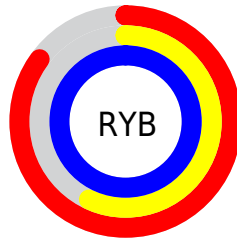
The Yxy color $42.3762, 0.2865, 0.2127$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.5145, 0.3280, 0.4553$, and the grayscale version is $45.0804, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.7886, 0.3152, 0.2752$, and $19.3086, 0.2770, 0.1863$ is the 20% darker color. If you saturate the color by 10%, you get $34.1491, 0.2781, 0.1858$, and if you desaturate by 10%, it is $52.4242, 0.2941, 0.2407$.

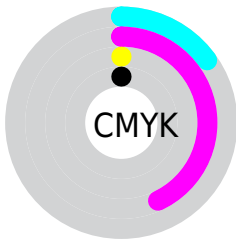
Distribution



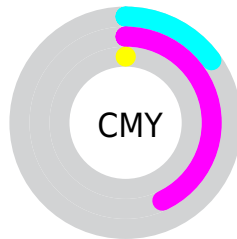
- Red (85%)
- Green (57%)
- Blue (100%)



- Red (85%)
- Yellow (57%)
- Blue (100%)



- Cyan (15%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3762, 0.2865, 0.2127 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 42.3762, 0.2865, 0.2127 by changing the saturation by 10% instead.

 42.3762, 0.2865,
0.2127


 42.3762, 0.2865,
0.2127


356.0401, 0.3012,
0.2656

 29.3960, 0.2826,
0.2011


 78.7687, 0.2921,
0.2307

 19.3806, 0.2774,
0.1870


 102.9497, 0.2941,
0.2379

 11.9456, 0.2704,
0.1697


131.6331, 0.2958,
0.2440

 6.7066, 0.2606,
0.1481

165.2034, 0.2972,
0.2494

 3.2793, 0.2462,
0.1209

204.0448, 0.2984,
0.2542

 1.2792, 0.2237,
0.0866

248.5418, 0.2995,

 0.1250, 0.1920,

0.2584

0.0182

299.0787, 0.3004,
0.2622

■ 0.0000, 0.0747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3762, 0.2865,
0.2127

■ 42.3762, 0.2865,
0.2127

■ 34.1491, 0.2781,
0.1858

■ 52.4242, 0.2941,
0.2407

■ 27.6180, 0.2692,
0.1613

■ 64.3961, 0.3008,
0.2686

■ 22.6508, 0.2599,
0.1404

■ 78.3935, 0.3065,
0.2957

■ 19.0923, 0.2507,
0.1240

■ 94.5092, 0.3114,
0.3213

■ 16.7543, 0.2418,
0.1127

99.9997, 0.3127,
0.3290

■ 15.6686, 0.2360,
0.1074

Harmonies

Analogous

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



42.3762, 0.2132, 0.1948



42.3762, 0.2865, 0.2127



42.3762, 0.3806, 0.2530

Triad

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



42.3762, 0.2865, 0.2127



42.3762, 0.4670, 0.4369



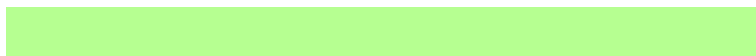
42.3762, 0.1804, 0.3239

Complementary

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



42.3762, 0.2865, 0.2127



83.5145, 0.3280, 0.4553

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.



42.3762, 0.2355, 0.4261



42.3762, 0.2865, 0.2127



42.3762, 0.4007, 0.4888

Square

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



42.3762, 0.2865, 0.2127



42.3762, 0.4935, 0.3723



42.3762, 0.3163, 0.4938



42.3762, 0.1598, 0.2444

Rectangle

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



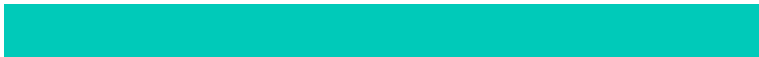
42.3762, 0.2865, 0.2127



42.3762, 0.4390, 0.2891



42.3762, 0.3163, 0.4938



42.3762, 0.1950, 0.3575

Sweetspot

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



42.3780, 0.2865, 0.2127



78.5868, 0.3066, 0.2960



47.3216, 0.2394, 0.2422



16.1199, 0.3054, 0.2902



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.



42.3780, 0.2865, 0.2127



34.9901, 0.2791, 0.1888



47.7202, 0.3318, 0.2368



17.9761, 0.3084, 0.3052



8.2728, 0.2374, 0.1081



0.8655, 0.2470, 0.1134

Inverse Universe

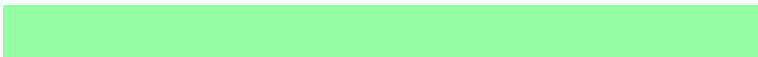
The Inverse Universe completely reimagines the original color for something new.



44.8975, 0.3871, 0.2906



38.0695, 0.4112, 0.2834



80.1308, 0.2985, 0.4436



18.0880, 0.3241, 0.3210



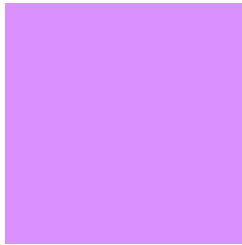
11.4836, 0.5634, 0.2877



1.1375, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 42.3762, 0.2865, 0.2127 looks on a white background.

Color Contrast Check

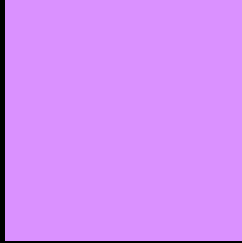
Large Text (above 18pt) WCAG AA × Fail

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 42.3762, 0.2865, 0.2127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

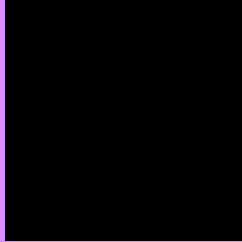
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3762, 0.2865, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 42.3762, 0.2865, 0.2127.



This preview shows how white text looks on a background with the Yxy color 42.3762, 0.2865, 0.2127.

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

42.3762, 0.2865, 0.2127

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.9003, 0.2403, 0.2340



Tritanopia

42.4113, 0.3429, 0.3141

Trichromacy



Original Color

42.3762, 0.2865, 0.2127



Protanomaly

41.8313, 0.2526, 0.2202



Deuteranomaly

41.9933, 0.2545, 0.2241

Tritanomaly

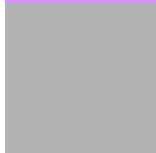
41.8382, 0.3210, 0.2720

Monochromacy



Original Color

42.3762, 0.2865, 0.2127



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.4799, 0.3027, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3762, 0.2865, 0.2127 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(218, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 145, 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(218, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.3762, 0.2865, 0.2127 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(218, 145, 255) }
```

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

```
.border{ border-color:rgb(218, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3762, 0.2865, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 145, 255) }
```

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

```
.background{ background-color: rgb(218,  
145, 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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