

Converting Colors

$Y_{xy}(45.3725, 0.2616, 0.2867)$

Have a look what the booklet for
Yxy(45.3725, 0.2616, 0.2867)
contains.

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Color

Yxy(45.3498, 0.2615, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	92B8D8
RGB	146, 184, 216
RGB Percent	57%, 72%, 85%
CMY	0.4274, 0.2784, 0.1529
CMYK	0.32, 0.15, 0.00, 0.15
HSL	207°, 47%, 71%
HSV	207°, 32%, 85%
XYZ	41.3926, 45.3498, 71.5466
YIQ	176.2860, -32.9200, 1.8960

Conversions

Conversions Part 2

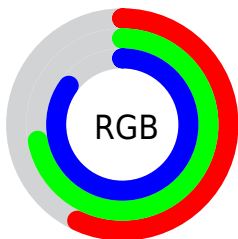
Format	Color
R _Y B	146, 171, 216
Decimal	9615576
CIE Lab	73.12, -5.15, -20.22
CIE LCh	73, 20.864, 255.705
Yxy	45.3498, 0.2615, 0.2865
Android (android.graphics.Color)	4287805656 (0xFF92B8D8)
YUV	176.2860, 19.5790, -26.5608
Hunter-Lab	67.3423, -8.1322, -15.8521

Details

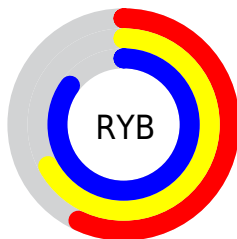
The Yxy color **45.3498, 0.2615, 0.2865** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.5315, 0.3747, 0.3678**, and the grayscale version is **43.4845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9577, 0.2800, 0.3130**, and **21.1330, 0.2476, 0.2745** is the 20% darker color. If you saturate the color by 10%, you get **39.5925, 0.2457, 0.2707**, and if you desaturate by 10%, it is **51.7714, 0.2776, 0.3011**.

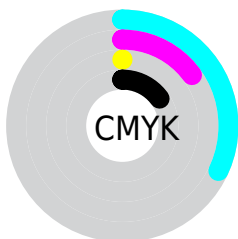
Distribution



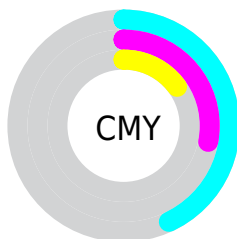
- Red (57%)
- Green (72%)
- Blue (85%)



- Red (57%)
- Yellow (67%)
- Blue (85%)



- Cyan (32%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (43%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3498, 0.2615, 0.2865 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 45.3498, 0.2615, 0.2865 by changing the saturation by 10% instead.

■ 45.3498, 0.2615,
0.2865

■ 45.3498, 0.2615,
0.2865

■ 368.1884, 0.2868,
0.3078

■ 31.7330, 0.2553,
0.2812

■ 83.2451, 0.2706,
0.2942

■ 21.1577, 0.2475,
0.2744

■ 108.2924, 0.2740,
0.2972

■ 13.2393, 0.2373,
0.2654

■ 137.9187, 0.2769,
0.2996

■ 7.5935, 0.2234,
0.2530

■ 172.5083, 0.2795,
0.3017

■ 3.8360, 0.2034,
0.2349

■ 212.4457, 0.2816,
0.3036

■ 1.5822, 0.1731,
0.2065

■ 258.1153, 0.2836,

■ 0.3456, 0.0781,

0.3052

0.1331

309.9014, 0.2853,
0.3066

0.0000, 0.0000,
0.0000

45.3498, 0.2615,
0.2865

45.3498, 0.2615,
0.2865

39.5925, 0.2457,
0.2707

51.7714, 0.2776,
0.3011

34.4673, 0.2305,
0.2539

58.8771, 0.2935,
0.3144

29.9466, 0.2165,
0.2364

66.6923, 0.3091,
0.3263

25.9984, 0.2041,
0.2185

75.2393, 0.3240,
0.3370

22.5863, 0.1937,
0.2006

84.5392, 0.3382,
0.3465

■ 19.6677, 0.1856,
0.1833

■ 90.4882, 0.3374,
0.3560

■ 17.7302, 0.1807,
0.1706

■ 96.5713, 0.3360,
0.3654

■ 97.7386, 0.3357,
0.3671

Harmonies

Analogous

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



45.3498, 0.2577, 0.3045



45.3498, 0.2615, 0.2865



45.3498, 0.2784, 0.2803

Triad

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



45.3498, 0.2615, 0.2865



45.3498, 0.3595, 0.3246



45.3498, 0.3183, 0.3772

Complementary

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



45.3498, 0.2615, 0.2865



48.5315, 0.3747, 0.3678

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.



45.3498, 0.3464, 0.3810



45.3498, 0.2615, 0.2865



45.3498, 0.3711, 0.3492

Square

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



45.3498, 0.2615, 0.2865



45.3498, 0.3349, 0.3021



45.3498, 0.3661, 0.3701



45.3498, 0.2895, 0.3583

Rectangle

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



45.3498, 0.2615, 0.2865



45.3498, 0.2954, 0.2830



45.3498, 0.3661, 0.3701



45.3498, 0.3281, 0.3803

Sweetspot

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



45.3516, 0.2615, 0.2865



88.2631, 0.2971, 0.3172



58.4268, 0.2890, 0.3803



18.5572, 0.2949, 0.3155



0.0000, 0.0000, 0.0000



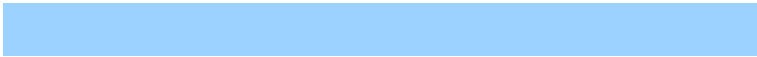
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3516, 0.2615, 0.2865



60.0956, 0.2504, 0.2756



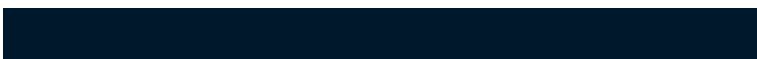
32.7305, 0.2556, 0.2385



13.1140, 0.2982, 0.3181



10.7113, 0.1814, 0.1731



0.8107, 0.1896, 0.2024

Inverse Universe

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



38.6251, 0.3470, 0.2836



49.5150, 0.3572, 0.2736



64.0218, 0.3625, 0.4058



12.5324, 0.3207, 0.3164



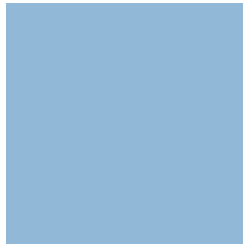
9.4262, 0.4768, 0.2400



0.5852, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 45.3498, 0.2615, 0.2865 looks on a white background.

Color Contrast Check

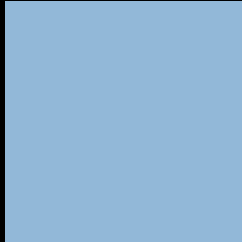
Large Text (above 18pt) WCAG AA × Fail

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 45.3498, 0.2615, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

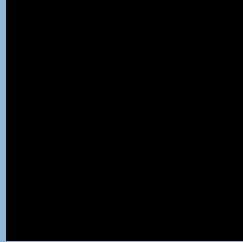
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

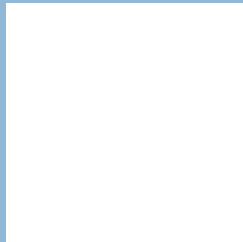
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3498, 0.2615, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 45.3498, 0.2615, 0.2865.



This preview shows how white text looks on a background with the Yxy color 45.3498, 0.2615, 0.2865.

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

45.3498, 0.2615, 0.2865

Protanopia

44.9684, 0.2820, 0.2842

Deuteranopia

45.0690, 0.2816, 0.2752



Tritanopia

45.1745, 0.2691, 0.3084

Trichromacy



Original Color

45.3498, 0.2615, 0.2865

Protanomaly

45.2331, 0.2748, 0.2862

Deuteranomaly

44.9575, 0.2741, 0.2790

Tritanomaly

45.0834, 0.2665, 0.3004

Monochromacy



Original Color

45.3498, 0.2615, 0.2865

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0011, 0.2918, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3498, 0.2615, 0.2865 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(146, 184, 216)` looks like.

```
.text, #text, p{  
    color:rgb(146, 184, 216)  
}
```

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(146, 184, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 184, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.3498, 0.2615, 0.2865 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(146, 184, 216) }
```

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

```
.border{ border-color:rgb(146, 184, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 184, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 184, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 184, 216);  
box-shadow:4px 4px 4px 4px rgb(146, 184,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3498, 0.2615, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 184, 216) }
```

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

```
.background{ background-color: rgb(146,  
184, 216) }
```

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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