

Converting Colors

$Yxy(42.2474, 0.2611, 0.2764)$

Have a look what the booklet for
Yxy(42.2474, 0.2611, 0.2764)
contains.

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Color

Yxy(42.2116, 0.2608, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	93B0D8
RGB	147, 176, 216
RGB Percent	58%, 69%, 85%
CMY	0.4237, 0.3097, 0.1529
CMYK	0.32, 0.19, 0.00, 0.15
HSL	215°, 47%, 71%
HSV	215°, 32%, 85%
XYZ	39.9448, 42.2116, 71.0062
YIQ	171.8890, -30.1240, 6.2920

Conversions

Conversions Part 2

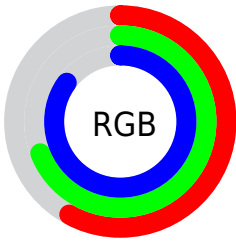
Format	Color
R _Y B	147, 167, 216
Decimal	9679064
CIE Lab	71.02, -0.55, -23.41
CIE LCh	71, 23.415, 268.655
Yxy	42.2116, 0.2608, 0.2756
Android (android.graphics.Color)	4287869144 (0xFF93B0D8)
YUV	171.8890, 21.7467, -21.8277
Hunter-Lab	64.9705, -3.9539, -19.3187

Details

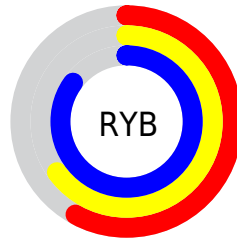
The Yxy color **42.2116, 0.2608, 0.2756** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.2135, 0.3706, 0.3770**, and the grayscale version is **41.0915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9284, 0.2799, 0.3033**, and **19.3682, 0.2463, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **35.7200, 0.2437, 0.2554**, and if you desaturate by 10%, it is **49.5332, 0.2777, 0.2942**.

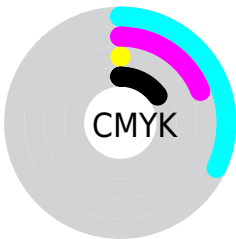
Distribution



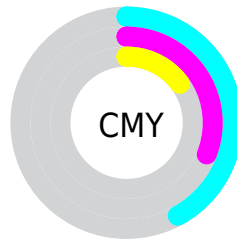
- Red (58%)
- Green (69%)
- Blue (85%)



- Red (58%)
- Yellow (65%)
- Blue (85%)



- Cyan (32%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (42%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2116, 0.2608, 0.2756 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 42.2116, 0.2608, 0.2756 by changing the saturation by 10% instead.

■ 42.2116, 0.2608,
0.2756

■ 42.2116, 0.2608,
0.2756

355.3594, 0.2867,
0.3023

■ 29.2670, 0.2544,
0.2690

■ 78.5198, 0.2702,
0.2853

■ 19.2829, 0.2462,
0.2605

■ 102.6522, 0.2737,
0.2889

■ 11.8749, 0.2354,
0.2493

131.2826, 0.2767,
0.2920

■ 6.6585, 0.2206,
0.2340

164.7955, 0.2793,
0.2947

■ 3.2495, 0.1993,
0.2118

203.5752, 0.2815,
0.2970

■ 1.2633, 0.1664,
0.1776

248.0061, 0.2835,

■ 0.1125, 0.0425,

0.2990

0.0511

298.4727, 0.2852,
0.3008

■ 0.0000, 0.0000,
0.0000

■ 42.2116, 0.2608,
0.2756

■ 42.2116, 0.2608,
0.2756

■ 35.7200, 0.2437,
0.2554

■ 49.5332, 0.2777,
0.2942

■ 30.0204, 0.2270,
0.2338

■ 57.7109, 0.2941,
0.3111

■ 25.0785, 0.2112,
0.2114

■ 66.7757, 0.3097,
0.3262

■ 20.8552, 0.1969,
0.1888

■ 76.7554, 0.3244,
0.3396

■ 17.3070, 0.1849,
0.1668

■ 87.6765, 0.3381,
0.3515

■ 14.3835, 0.1755,
0.1460

■ 95.2466, 0.3363,
0.3634

■ 12.4288, 0.1697,
0.1307

■ 97.7378, 0.3358,
0.3671

Harmonies

Analogous

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



42.2116, 0.2498, 0.2902



42.2116, 0.2608, 0.2756



42.2116, 0.2854, 0.2748

Triad

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



42.2116, 0.2608, 0.2756



42.2116, 0.3746, 0.3358



42.2116, 0.3042, 0.3772

Complementary

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



42.2116, 0.2608, 0.2756



52.2135, 0.3706, 0.3770

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.



42.2116, 0.3379, 0.3895



42.2116, 0.2608, 0.2756



42.2116, 0.3797, 0.3630

Square

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



42.2116, 0.2608, 0.2756



42.2116, 0.3517, 0.3086



42.2116, 0.3659, 0.3833



42.2116, 0.2739, 0.3496

Rectangle

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



42.2116, 0.2608, 0.2756



42.2116, 0.3070, 0.2815



42.2116, 0.3659, 0.3833



42.2116, 0.3155, 0.3833

Sweetspot

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



42.2133, 0.2608, 0.2756



86.4193, 0.2971, 0.3141



58.8573, 0.2845, 0.3684



18.1117, 0.2949, 0.3118



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.



42.2133, 0.2608, 0.2756



55.2977, 0.2499, 0.2628



32.4406, 0.2596, 0.2360



12.8594, 0.2982, 0.3151



7.5599, 0.1704, 0.1335



0.6178, 0.1799, 0.1677

Inverse Universe

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



38.5847, 0.3549, 0.2940



49.8665, 0.3668, 0.2868



65.1230, 0.3570, 0.4094



12.5067, 0.3226, 0.3192



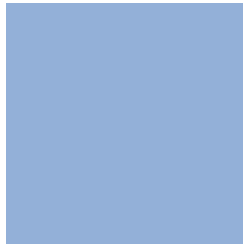
9.1080, 0.5278, 0.2681



0.5657, 0.4835, 0.2437

Previews

White Background



This preview shows how the Yxy color 42.2116, 0.2608, 0.2756 looks on a white background.

Color Contrast Check

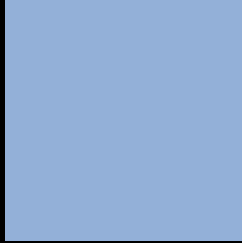
Large Text (above 18pt) WCAG AA × Fail

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 42.2116, 0.2608, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

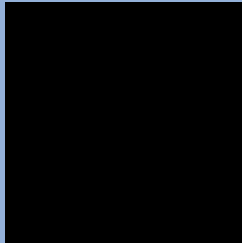
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

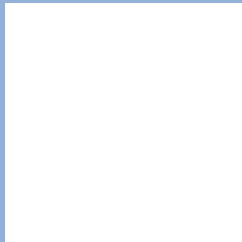
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2116, 0.2608, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 42.2116, 0.2608, 0.2756.

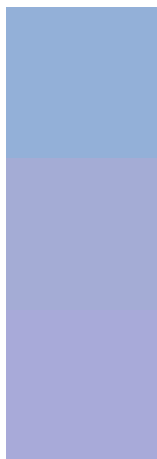


This preview shows how white text looks on a background with the Yxy color 42.2116, 0.2608, 0.2756.

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

42.2116, 0.2608, 0.2756

Protanopia

42.2017, 0.2747, 0.2756

Deuteranopia

42.0840, 0.2748, 0.2687



Tritanopia

42.2883, 0.2721, 0.3093

Trichromacy



Original Color

42.2116, 0.2608, 0.2756

Protanomaly

42.0113, 0.2696, 0.2750

Deuteranomaly

41.9884, 0.2690, 0.2704

Tritanomaly

42.4338, 0.2681, 0.2972

Monochromacy



Original Color

42.2116, 0.2608, 0.2756

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.3045, 0.2922, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2116, 0.2608, 0.2756 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(147, 176, 216)` looks like.

```
.text, #text, p{  
    color:rgb(147, 176, 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(147, 176, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 176, 216) }
```

Border

The CSS property to change the border of an element to Yxy 42.2116, 0.2608, 0.2756 is called "border". The border property can be set on classes, ids or directly on the HTML element.

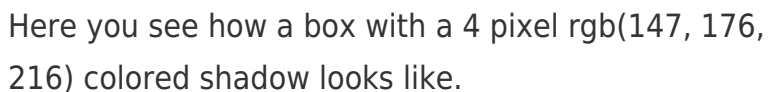
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 176, 216) }
```

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

```
.border{ border-color:rgb(147, 176, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 176, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 176, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 176, 216); box-shadow:4px 4px 4px 4px rgb(147, 176, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2116, 0.2608, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 176, 216) }
```

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

```
.background{ background-color: rgb(147,  
176, 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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