

Converting Colors

$Y_{xy}(43.7978, 0.2516, 0.2808)$

Have a look what the booklet for
Yxy(43.7978, 0.2516, 0.2808)
contains.

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Color

Yxy(43.9155, 0.2518, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	85B7DA
RGB	133, 183, 218
RGB Percent	52%, 72%, 85%
CMY	0.4786, 0.2823, 0.1452
CMYK	0.39, 0.16, 0.00, 0.15
HSL	205°, 53%, 69%
HSV	205°, 39%, 85%
XYZ	39.2543, 43.9155, 72.7248
YIQ	172.0400, -41.0350, 0.2850

Conversions

Conversions Part 2

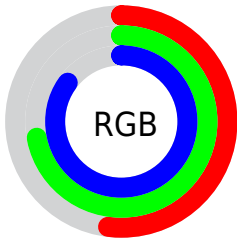
Format	Color
RYB	133, 164, 218
Decimal	8763354
CIELab	72.17, -7.70, -22.80
CIELCh	72, 24.070, 251.342
Yxy	43.9155, 0.2518, 0.2817
Android (android.graphics.Color)	4286953434 (0xFF85B7DA)
YUV	172.0400, 22.6583, -34.2381
Hunter-Lab	66.2688, -10.2360, -18.6780

Details

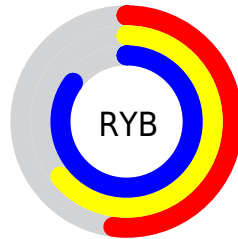
The Yxy color **43.9155, 0.2518, 0.2817** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.5742, 0.3927, 0.3715**, and the grayscale version is **41.1716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7718, 0.2731, 0.3116**, and **20.2719, 0.2353, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **38.7421, 0.2369, 0.2670**, and if you desaturate by 10%, it is **49.6960, 0.2673, 0.2954**.

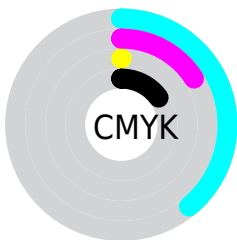
Distribution



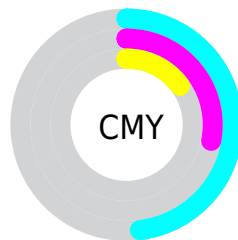
- Red (52%)
- Green (72%)
- Blue (85%)



- Red (52%)
- Yellow (64%)
- Blue (85%)



- Cyan (39%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (48%)
- Magenta (28%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9155, 0.2518, 0.2817 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 43.9155, 0.2518, 0.2817 by changing the saturation by 10% instead.

■ 43.9155, 0.2518,
0.2817

■ 43.9155, 0.2518,
0.2817

■ 362.3633, 0.2818,
0.3056

■ 30.6041, 0.2445,
0.2757

■ 81.0906, 0.2626,
0.2904

■ 20.2976, 0.2352,
0.2680

■ 105.7230, 0.2667,
0.2937

■ 12.6115, 0.2232,
0.2578

■ 134.8979, 0.2702,
0.2965

■ 7.1616, 0.2068,
0.2437

■ 168.9997, 0.2731,
0.2988

■ 3.5634, 0.1837,
0.2231

■ 208.4128, 0.2757,
0.3009

■ 1.4324, 0.1491,
0.1910

■ 253.5214, 0.2780,

■ 0.2405, 0.0166,

0.3027

0.0985

304.7102, 0.2800,
0.3042

0.0000, 0.0000,
0.0000

43.9155, 0.2518,
0.2817

43.9155, 0.2518,
0.2817

38.7421, 0.2369,
0.2670

49.6960, 0.2673,
0.2954

34.1433, 0.2231,
0.2515

56.1038, 0.2831,
0.3081

30.0910, 0.2107,
0.2356

63.1640, 0.2989,
0.3196

26.5515, 0.2003,
0.2195

70.8988, 0.3142,
0.3300

23.4856, 0.1920,
0.2037

79.3291, 0.3291,
0.3392

■ 20.8341, 0.1858,
0.1883

■ 86.7774, 0.3371,
0.3478

■ 20.5855, 0.1852,
0.1868

■ 92.0938, 0.3358,
0.3564

■ 97.6734, 0.3346,
0.3649

■ 97.8411, 0.3346,
0.3651

Harmonies

Analogous

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



43.9155, 0.2497, 0.3041



43.9155, 0.2518, 0.2817



43.9155, 0.2691, 0.2728

Triad

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



43.9155, 0.2518, 0.2817



43.9155, 0.3639, 0.3196



43.9155, 0.3239, 0.3875

Complementary

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



43.9155, 0.2518, 0.2817



44.5742, 0.3927, 0.3715

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.



43.9155, 0.3559, 0.3888



43.9155, 0.2518, 0.2817



43.9155, 0.3801, 0.3479

Square

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



43.9155, 0.2518, 0.2817



43.9155, 0.3335, 0.2946



43.9155, 0.3769, 0.3734



43.9155, 0.2901, 0.3675

Rectangle

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



43.9155, 0.2518, 0.2817



43.9155, 0.2877, 0.2747



43.9155, 0.3769, 0.3734



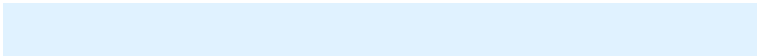
43.9155, 0.3353, 0.3901

Sweetspot

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



43.9172, 0.2518, 0.2817



86.8826, 0.2940, 0.3162



57.9062, 0.2874, 0.3990



18.3091, 0.2919, 0.3147



0.0000, 0.0000, 0.0000



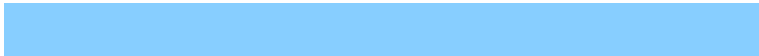
21.4041, 0.3127, 0.3290

Same Dimension

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



43.9172, 0.2518, 0.2817



56.3851, 0.2392, 0.2694



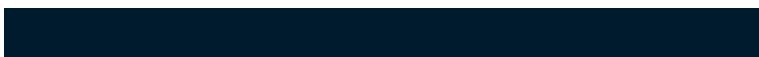
29.2308, 0.2428, 0.2224



13.8849, 0.2982, 0.3191



12.5517, 0.1859, 0.1890



0.9813, 0.1928, 0.2142

Inverse Universe

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



35.0865, 0.3524, 0.2697



43.0718, 0.3646, 0.2573



62.4323, 0.3743, 0.4169



13.1795, 0.3200, 0.3153



9.8909, 0.4579, 0.2296



0.6578, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 43.9155, 0.2518, 0.2817 looks on a white background.

Color Contrast Check

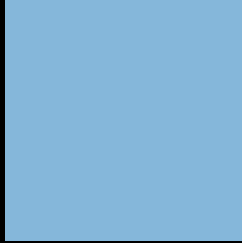
Large Text (above 18pt) WCAG AA × Fail

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 43.9155, 0.2518, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

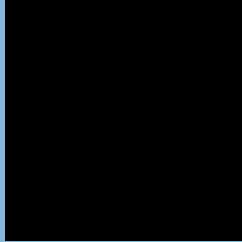
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9155, 0.2518, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 43.9155, 0.2518, 0.2817.



This preview shows how white text looks on a background with the Yxy color 43.9155, 0.2518, 0.2817.

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

43.9155, 0.2518, 0.2817

Protanopia

43.7382, 0.2788, 0.2812

Deuteranopia

43.7124, 0.2754, 0.2696



Tritanopia

44.0020, 0.2599, 0.3078

Trichromacy



Original Color

43.9155, 0.2518, 0.2817

Protanomaly

43.6644, 0.2681, 0.2815

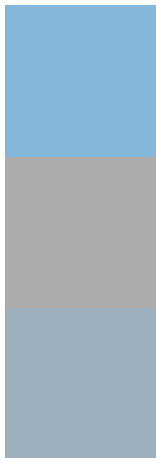
Deuteranomaly

43.7269, 0.2661, 0.2744

Tritanomaly

43.9487, 0.2568, 0.2984

Monochromacy



Original Color

43.9155, 0.2518, 0.2817

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.9939, 0.2875, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9155, 0.2518, 0.2817 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(133, 183, 218)` looks like.

```
.text, #text, p{  
    color:rgb(133, 183, 218)  
}
```

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(133, 183, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 183, 218) }
```

Border

The CSS property to change the border of an element to Yxy 43.9155, 0.2518, 0.2817 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(133, 183, 218) }
```

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

```
.border{ border-color:rgb(133, 183, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 183, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 183, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 183, 218);  
box-shadow:4px 4px 4px 4px rgb(133, 183,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9155, 0.2518, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 183, 218) }
```

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

```
.background{ background-color: rgb(133,  
183, 218) }
```

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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