

Converting Colors

$Yxy(44.3785, 0.2438, 0.2698)$

Have a look what the booklet for
Yxy(44.3785, 0.2438, 0.2698)
contains.

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Color

Yxy(44.5495, 0.2442, 0.2706)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 81B8E4 |
| RGB | 129, 184, 228 |
| RGB Percent | 51%, 72%, 89% |
| CMY | 0.4939, 0.2785, 0.1059 |
| CMYK | 0.43, 0.19, 0.00, 0.11 |
| HSL | 207°, 65%, 70% |
| HSV | 207°, 43%, 89% |
| XYZ | 40.2032, 44.5495, 79.8796 |
| YIQ | 172.5710, -46.9040, 2.0240 |

Conversions

Conversions Part 2

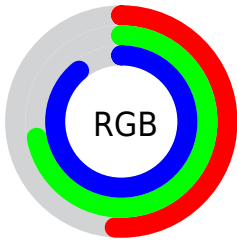
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 129, 164, 228 |
| Decimal | 8501476 |
| CIE _{Lab} | 72.59, -6.54, -27.63 |
| CIE _{LCh} | 73, 28.396, 256.676 |
| Yxy | 44.5495, 0.2442, 0.2706 |
| Android (android.graphics.Color) | 4286691556 (0xFF81B8E4) |
| YUV | 172.5710, 27.3265, -38.2118 |
| Hunter-Lab | 66.7454, -9.2874, -24.2353 |

Details

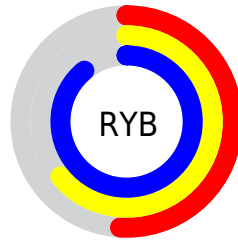
The Yxy color **44.5495, 0.2442, 0.2706** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.9927, 0.4032, 0.3801**, and the grayscale version is **41.4423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8545, 0.2710, 0.3126**, and **20.6276, 0.2261, 0.2547** is the 20% darker color. If you saturate the color by 10%, you get **38.8964, 0.2293, 0.2542**, and if you desaturate by 10%, it is **50.9064, 0.2599, 0.2861**.

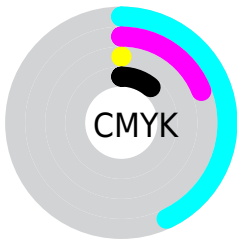
Distribution



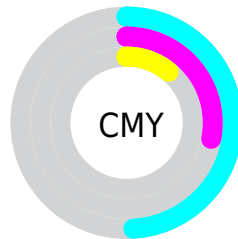
- Red (51%)
- Green (72%)
- Blue (89%)



- Red (51%)
- Yellow (64%)
- Blue (89%)



- Cyan (43%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5495, 0.2442, 0.2706 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 44.5495, 0.2442, 0.2706 by changing the saturation by 10% instead.

■ 44.5495, 0.2442,
0.2706

■ 44.5495, 0.2442,
0.2706

■ 364.9459, 0.2778,
0.2998

■ 31.1027, 0.2361,
0.2634

■ 82.0440, 0.2562,
0.2812

■ 20.6771, 0.2260,
0.2543

■ 106.8605, 0.2607,
0.2851

■ 12.8882, 0.2128,
0.2423

■ 136.2357, 0.2646,
0.2885

■ 7.3516, 0.1953,
0.2260

■ 170.5540, 0.2680,
0.2914

■ 3.6829, 0.1710,
0.2029

■ 210.1997, 0.2709,
0.2939

■ 1.4978, 0.1358,
0.1682

■ 255.5574, 0.2735,

■ 0.2872, 0.0344,

0.2961

0.0872

307.0113, 0.2757,
0.2981

0.0000, 0.0000,
0.0000

44.5495, 0.2442,
0.2706

44.5495, 0.2442,
0.2706

38.8964, 0.2293,
0.2542

50.9064, 0.2599,
0.2861

33.9090, 0.2155,
0.2370

57.9924, 0.2759,
0.3004

29.5523, 0.2035,
0.2195

65.8376, 0.2919,
0.3135

25.7849, 0.1935,
0.2022

74.4685, 0.3075,
0.3253

22.5577, 0.1859,
0.1853

83.9102, 0.3226,
0.3358

■ 20.6753, 0.1818,
0.1745

■ 92.0690, 0.3297,
0.3455

■ 98.3688, 0.3286,
0.3552

■ 98.3816, 0.3286,
0.3552

Harmonies

Analogous

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



44.5495, 0.2385, 0.2937



44.5495, 0.2442, 0.2706



44.5495, 0.2670, 0.2637

Triad

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



44.5495, 0.2442, 0.2706



44.5495, 0.3779, 0.3234



44.5495, 0.3183, 0.3956

Complementary

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



44.5495, 0.2442, 0.2706



47.9927, 0.4032, 0.3801

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.



44.5495, 0.3570, 0.4007



44.5495, 0.2442, 0.2706



44.5495, 0.3930, 0.3562

Square

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



44.5495, 0.2442, 0.2706



44.5495, 0.3440, 0.2935



44.5495, 0.3849, 0.3848



44.5495, 0.2796, 0.3685

Rectangle

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



44.5495, 0.2442, 0.2706



44.5495, 0.2899, 0.2677



44.5495, 0.3849, 0.3848



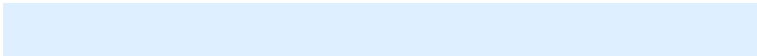
44.5495, 0.3317, 0.4000

Sweetspot

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



44.5512, 0.2442, 0.2706



85.1968, 0.2924, 0.3139



63.1355, 0.2832, 0.4041



17.7350, 0.2889, 0.3111



0.0000, 0.0000, 0.0000



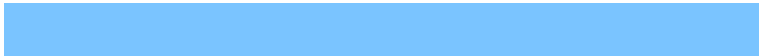
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5512, 0.2442, 0.2706



50.8770, 0.2308, 0.2560



27.7835, 0.2328, 0.2033



15.2076, 0.2981, 0.3183



12.1786, 0.1825, 0.1770



1.0846, 0.1892, 0.2011

Inverse Universe

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



35.6699, 0.3624, 0.2665



39.2641, 0.3775, 0.2546



70.0083, 0.3800, 0.4296



14.5013, 0.3206, 0.3160



10.4271, 0.4721, 0.2375



0.7892, 0.4440, 0.2220

Previews

White Background



This preview shows how the Yxy color 44.5495, 0.2442, 0.2706 looks on a white background.

Color Contrast Check

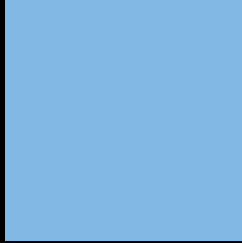
Large Text (above 18pt) WCAG AA × Fail

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 44.5495, 0.2442, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

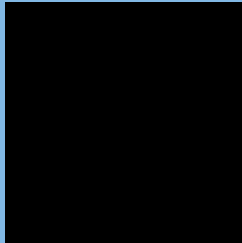
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5495, 0.2442, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 44.5495, 0.2442, 0.2706.



This preview shows how white text looks on a background with the Yxy color 44.5495, 0.2442, 0.2706.

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

44.5495, 0.2442, 0.2706

Protanopia

44.4316, 0.2706, 0.2706

Deuteranopia

44.0923, 0.2652, 0.2590



Tritanopia

44.4158, 0.2549, 0.3077

Trichromacy



Original Color

44.5495, 0.2442, 0.2706

Protanomaly

44.3943, 0.2605, 0.2708

Deuteranomaly

44.2702, 0.2573, 0.2637

Tritanomaly

44.6541, 0.2513, 0.2944

Monochromacy



Original Color

44.5495, 0.2442, 0.2706

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.4626, 0.2838, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5495, 0.2442, 0.2706 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(129, 184, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 228)  
}
```

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(129, 184, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 228) }
```

Border

The CSS property to change the border of an element to Yxy 44.5495, 0.2442, 0.2706 is called "border". The border property can be set on classes, ids or directly on the HTML element.

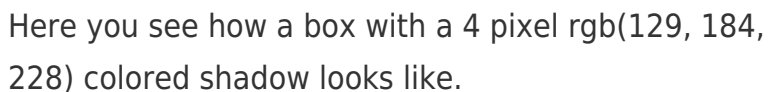
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 184, 228) }
```

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

```
.border{ border-color:rgb(129, 184, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(129, 184, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 184, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 184, 228); box-shadow:4px 4px 4px 4px rgb(129, 184, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5495, 0.2442, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 228) }
```

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

```
.background{ background-color: rgb(129,  
184, 228) }
```

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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