

Converting Colors

$Yxy(45.8207, 0.2468, 0.2769)$

Have a look what the booklet for
Yxy(45.8207, 0.2468, 0.2769)
contains.

| | |
|--|----|
| Yxy(45.8569, 0.2471, 0.2773) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(45.8569, 0.2471, 0.2773)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 83BBE2 |
| RGB | 131, 187, 226 |
| RGB Percent | 51%, 73%, 89% |
| CMY | 0.4861, 0.2667, 0.1137 |
| CMYK | 0.42, 0.17, 0.00, 0.11 |
| HSL | 205°, 62%, 70% |
| HSV | 205°, 42%, 89% |
| XYZ | 40.8627, 45.8569, 78.6496 |
| YIQ | 174.7020, -45.8950, 0.2570 |

Conversions

Conversions Part 2

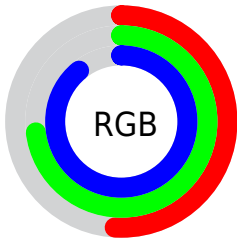
| Format | Color |
|-------------------------------------|---|
| RYB | 131, 166, 226 |
| Decimal | 8633314 |
| CIELab | 73.45, -8.20, -25.22 |
| CIElCh | 73, 26.521, 251.984 |
| Yxy | 45.8569, 0.2471, 0.2773 |
| Android (android.graphics.Color) | 4286823394 (0xFF83BBE2) |
| YUV | 174.7020, 25.2899, -38.3267 |
| Hunter-Lab | 67.7177, -10.7942, -21.4590 |

Details

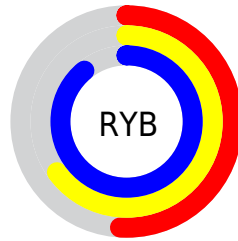
The Yxy color **45.8569, 0.2471, 0.2773** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.5783, 0.4011, 0.3748**, and the grayscale version is **42.5980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8860, 0.2724, 0.3160**, and **21.5270, 0.2298, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **40.4333, 0.2325, 0.2623**, and if you desaturate by 10%, it is **51.9323, 0.2625, 0.2914**.

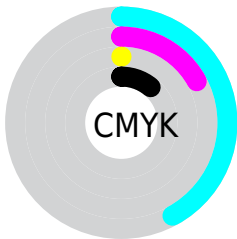
Distribution



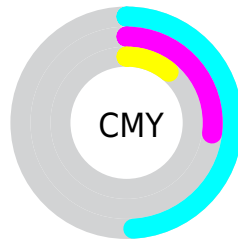
- Red (51%)
- Green (73%)
- Blue (89%)



- Red (51%)
- Yellow (65%)
- Blue (89%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8569, 0.2471, 0.2773 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 45.8569, 0.2471, 0.2773 by changing the saturation by 10% instead.

■ 45.8569, 0.2471,
0.2773

■ 45.8569, 0.2471,
0.2773

■ 370.2330, 0.2791,
0.3032

■ 32.1329, 0.2394,
0.2709

■ 84.0048, 0.2585,
0.2867

■ 21.4630, 0.2297,
0.2627

■ 109.1975, 0.2629,
0.2902

■ 13.4629, 0.2172,
0.2520

■ 138.9819, 0.2666,
0.2932

■ 7.7481, 0.2005,
0.2373

■ 173.7424, 0.2698,
0.2958

■ 3.9342, 0.1772,
0.2163

■ 213.8633, 0.2726,
0.2980

■ 1.6368, 0.1433,
0.1842

■ 259.7292, 0.2750,

■ 0.3822, 0.0493,

0.3000

0.1156

311.7243, 0.2772,
0.3017

0.0000, 0.0000,
0.0000

45.8569, 0.2471,
0.2773

45.8569, 0.2471,
0.2773

40.4333, 0.2325,
0.2623

51.9323, 0.2625,
0.2914

35.6255, 0.2190,
0.2467

58.6824, 0.2783,
0.3044

31.4016, 0.2073,
0.2306

66.1351, 0.2941,
0.3163

27.7231, 0.1975,
0.2146

74.3151, 0.3096,
0.3270

24.5450, 0.1899,
0.1988

83.2455, 0.3247,
0.3366

■ 22.3108, 0.1852,
0.1866

■ 90.6720, 0.3312,
0.3455

■ 96.3609, 0.3301,
0.3543

■ 98.2711, 0.3298,
0.3572

Harmonies

Analogous

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



45.8569, 0.2445, 0.3011



45.8569, 0.2471, 0.2773



45.8569, 0.2661, 0.2683

Triad

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



45.8569, 0.2471, 0.2773



45.8569, 0.3690, 0.3193



45.8569, 0.3239, 0.3925

Complementary

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



45.8569, 0.2471, 0.2773



46.5783, 0.4011, 0.3748

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.



45.8569, 0.3588, 0.3942



45.8569, 0.2471, 0.2773



45.8569, 0.3862, 0.3498

Square

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



45.8569, 0.2471, 0.2773



45.8569, 0.3360, 0.2923



45.8569, 0.3821, 0.3774



45.8569, 0.2874, 0.3704

Rectangle

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



45.8569, 0.2471, 0.2773



45.8569, 0.2863, 0.2705



45.8569, 0.3821, 0.3774



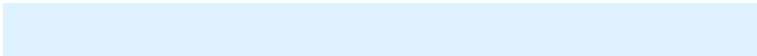
45.8569, 0.3363, 0.3954

Sweetspot

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



45.8587, 0.2471, 0.2773



85.8631, 0.2924, 0.3150



62.0884, 0.2857, 0.4057



17.8996, 0.2889, 0.3125



0.0000, 0.0000, 0.0000



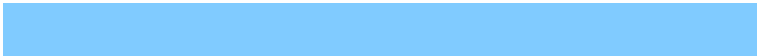
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8587, 0.2471, 0.2773



54.3052, 0.2348, 0.2649



29.2349, 0.2365, 0.2124



14.5789, 0.2981, 0.3191



12.9673, 0.1859, 0.1890



1.0738, 0.1925, 0.2128

Inverse Universe

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



36.0017, 0.3567, 0.2650



40.8621, 0.3692, 0.2530



67.1806, 0.3792, 0.4235



13.8354, 0.3200, 0.3153



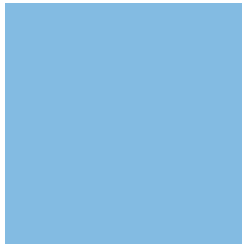
10.2171, 0.4579, 0.2296



0.7259, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 45.8569, 0.2471, 0.2773 looks on a white background.

Color Contrast Check

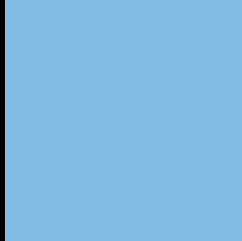
Large Text (above 18pt) WCAG AA × Fail

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 45.8569, 0.2471, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

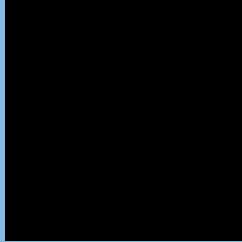
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8569, 0.2471, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 45.8569, 0.2471, 0.2773.



This preview shows how white text looks on a background with the Yxy color 45.8569, 0.2471, 0.2773.

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

45.8569, 0.2471, 0.2773

Protanopia

45.5541, 0.2751, 0.2760

Deuteranopia

45.4228, 0.2711, 0.2646



Tritanopia

45.6431, 0.2554, 0.3066

Trichromacy



Original Color

45.8569, 0.2471, 0.2773

Protanomaly

45.3896, 0.2641, 0.2761

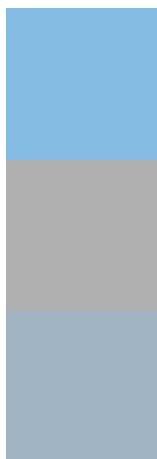
Deuteranomaly

45.3567, 0.2616, 0.2691

Tritanomaly

45.7113, 0.2523, 0.2961

Monochromacy



Original Color

45.8569, 0.2471, 0.2773

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5062, 0.2848, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8569, 0.2471, 0.2773 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(131, 187, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 187, 226)  
}
```

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(131, 187, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 187, 226) }
```

Border

The CSS property to change the border of an element to Yxy 45.8569, 0.2471, 0.2773 is called "border". The border property can be set on classes, ids or directly on the HTML element.

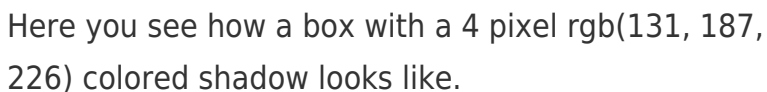
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 187, 226) }
```

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

```
.border{ border-color:rgb(131, 187, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(131, 187, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 187, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 187, 226); box-shadow:4px 4px 4px 4px rgb(131, 187, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8569, 0.2471, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 187, 226) }
```

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

```
.background{ background-color: rgb(131,  
187, 226) }
```

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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