Converting Colors

Yxy(45.8426, 0.2571, 0.2680)

Have a look what the booklet for Yxy(45.8426, 0.2571, 0.2680) contains.

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Color

Yxy(45.8445, 0.2568, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	98B6E6
RGB	152, 182, 230
RGB Percent	60%, 71%, 90%
CMY	0.4038, 0.2863, 0.0981
CMYK	0.34, 0.21, 0.00, 0.10
HSL	217°, 61%, 75%
HSV	217°, 34%, 90%
XYZ	43.9614, 45.8445, 81.3834
YIQ	178.5020, -33.2880, 8.5680

Conversions

Conversions Part 2

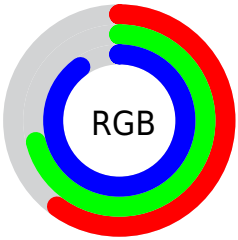
Format	Color
RYB	152, 174, 230
Decimal	10008294
CIELab	73.44, 1.14, -27.29
CIELCh	73, 27.314, 272.392
Yxy	45.8445, 0.2568, 0.2678
Android (android.graphics.Color)	4288198374 (0xFF98B6E6)
YUV	178.5020, 25.3885, -23.2423
Hunter-Lab	67.7086, -2.5946, -23.8686

Details

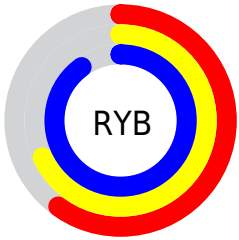
The Yxy color 45.8445, 0.2568, 0.2678 is a light color, and the websafe version is hex 99CCFF. A complement of this color would be 60.4033, 0.3740, 0.3832, and the grayscale version is 44.6798, 0.3127, 0.3290.

A 20% lighter version of the original color is 81.7790, 0.2839, 0.3111, and 21.3532, 0.2416, 0.2513 is the 20% darker color. If you saturate the color by 10%, you get 38.3293, 0.2393, 0.2458, and if you desaturate by 10%, it is 54.3798, 0.2741, 0.2881.

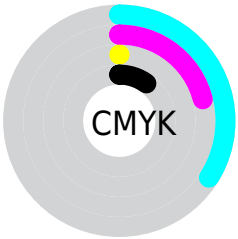
Distribution



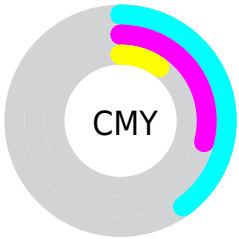
- Red (60%)
- Green (71%)
- Blue (90%)



- Red (60%)
- Yellow (68%)
- Blue (90%)



- Cyan (34%)
- Magenta (21%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (29%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8445, 0.2568, 0.2678 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 45.8445, 0.2568, 0.2678 by changing the saturation by 10% instead.

45.8445, 0.2568, 0.2678

45.8445, 0.2568, 0.2678

370.1831, 0.2843, 0.2978

32.1231, 0.2501, 0.2606

83.9862, 0.2667, 0.2785

21.4556, 0.2417, 0.2514

109.1754, 0.2704, 0.2826

13.4574, 0.2308, 0.2396

138.9559, 0.2736, 0.2861

7.7443, 0.2160, 0.2237

173.7122, 0.2763, 0.2891

3.9318, 0.1953, 0.2014

213.8287, 0.2787, 0.2917

1.6355, 0.1645, 0.1685

259.6898, 0.2808,

0.3813, 0.1018,

0.2940

0.0995

311.6798, 0.2827, 0.2960

0.0000, 0.0000, 0.0000

45.8445, 0.2568, 0.2678

45.8445, 0.2568, 0.2678

38.3293, 0.2393, 0.2458

54.3798, 0.2741, 0.2881

31.7864, 0.2222, 0.2225

63.9692, 0.2909, 0.3066

26.1721, 0.2061, 0.1986

74.6520, 0.3068, 0.3231

21.4362, 0.1917, 0.1747

86.4633, 0.3217, 0.3377

17.5228, 0.1798, 0.1518

97.0853, 0.3276, 0.3511

14.3668, 0.1708, 0.1309

98.4924, 0.3274, 0.3532

12.7612, 0.1665, 0.1193

Harmonies

Analogous

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

45.8445, 0.2425, 0.2820

45.8445, 0.2568, 0.2678

45.8445, 0.2859, 0.2690

Triad

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

45.8445, 0.2568, 0.2678

45.8445, 0.3850, 0.3403

45.8445, 0.2981, 0.3810

Complementary

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

45.8445, 0.2568, 0.2678

60.4033, 0.3740, 0.3832

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.

45.8445, 0.3364, 0.3975

45.8445, 0.2568, 0.2678

45.8445, 0.3879, 0.3704

Square

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

45.8445, 0.2568, 0.2678

45.8445, 0.3611, 0.3094

45.8445, 0.3696, 0.3923

45.8445, 0.2652, 0.3477

Rectangle

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

45.8445, 0.2568, 0.2678

45.8445, 0.3109, 0.2777

45.8445, 0.3696, 0.3923

45.8445, 0.3108, 0.3888

Sweetspot

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

45.8463, 0.2568, 0.2678

85.8715, 0.2971, 0.3131

67.3781, 0.2814, 0.3680

17.9795, 0.2948, 0.3107

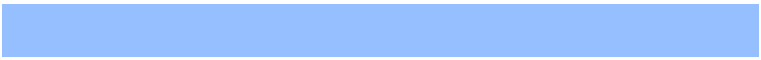
0.0000, 0.0000, 0.0000

21.4041, 0.3127, 0.3290

Same Dimension

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

45.8463, 0.2568, 0.2678



50.8542, 0.2439, 0.2518

35.6332, 0.2575, 0.2295

14.7911, 0.2981, 0.3141

7.4450, 0.1673, 0.1222

0.7256, 0.1754, 0.1514

Inverse Universe

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

42.6635, 0.3615, 0.2948

46.9626, 0.3768, 0.2873

74.4131, 0.3578, 0.4151

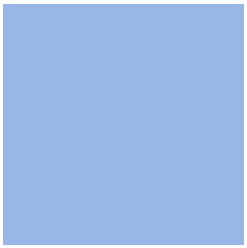
14.4593, 0.3232, 0.3200

9.9493, 0.5435, 0.2768

0.7529, 0.5042, 0.2551

Previews

White Background

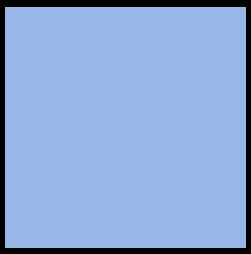


This preview shows how the Yxy color 45.8445, 0.2568, 0.2678 looks on a white background.

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 45.8445, 0.2568, 0.2678 looks on a black background.

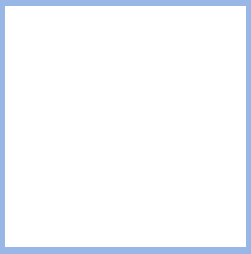
Color Contrast Check

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 45.8445, 0.2568, 0.2678 Background

This preview shows how black text looks on a background with the Yxy color 45.8445, 0.2568, 0.2678.

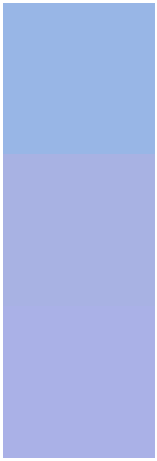


This preview shows how white text looks on a background with the Yxy color 45.8445, 0.2568, 0.2678.

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



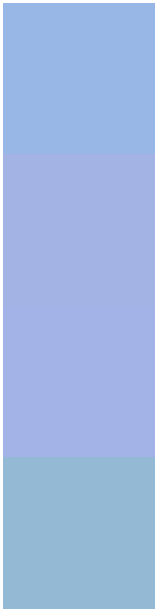
Original Color
45.8445, 0.2568, 0.2678

Protanopia
45.7117, 0.2691, 0.2678

Deuteranopia
45.7599, 0.2678, 0.2623

Tritanopia
45.9159, 0.2707, 0.3085

Trichromacy



Original Color
45.8445, 0.2568, 0.2678

Protanomaly
45.5230, 0.2643, 0.2672

Deuteranomaly
45.7963, 0.2631, 0.2640

Tritanomaly
45.7473, 0.2655, 0.2930

Monochromacy

Original Color
45.8445, 0.2568, 0.2678

Achromatopsia
45.0786, 0.3127, 0.3290

Achromatomaly
45.1547, 0.2899, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8445, 0.2568, 0.2678 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(152, 182, 230) looks like.

```
.text, #text, p{
    color:rgb(152, 182, 230)
}
```

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(152, 182, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 182, 230) }
```

Border

The CSS property to change the border of an element to Yxy 45.8445, 0.2568, 0.2678 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(152, 182, 230) }
```

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

```
.border{ border-color:rgb(152, 182, 230) }
```

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

Here you see how a box with a 4 pixel rgb(152, 182, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 182, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 182, 230); box-shadow:4px 4px 4px 4px rgb(152, 182, 230) }
```

Background

The CSS property to change the background color of an element to Yxy 45.8445, 0.2568, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(152, 182, 230) }
```

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

```
.background{ background-color:rgb(152,
182, 230) }
```

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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