

Converting Colors

$Y_{xy}(45.4088, 0.2475, 0.2766)$

Have a look what the booklet for
Yxy(45.4088, 0.2475, 0.2766)
contains.

Yxy(45.4596, 0.2480, 0.2772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.4596, 0.2480, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	84BAE1
RGB	132, 186, 225
RGB Percent	52%, 73%, 88%
CMY	0.4821, 0.2706, 0.1176
CMYK	0.41, 0.17, 0.00, 0.12
HSL	205°, 61%, 70%
HSV	205°, 41%, 88%
XYZ	40.6709, 45.4596, 77.8651
YIQ	174.3000, -44.7030, 0.6810

Conversions

Conversions Part 2

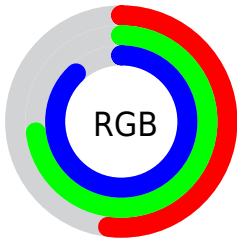
Format	Color
R_{YB}	132, 166, 225
Decimal	8698593
CIE _{Lab}	73.19, -7.68, -25.07
CIE _{LCh}	73, 26.218, 252.974
Yxy	45.4596, 0.2480, 0.2772
Android (android.graphics.Color)	4286888673 (0xFF84BAE1)
YUV	174.3000, 24.9951, -37.0971
Hunter-Lab	67.4237, -10.3179, -21.2752

Details

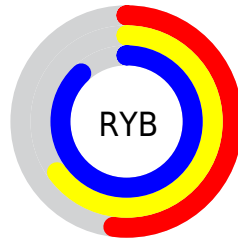
The Yxy color **45.4596, 0.2480, 0.2772** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.8238, 0.3987, 0.3749**, and the grayscale version is **42.3821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4156, 0.2728, 0.3149**, and **21.2551, 0.2306, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **39.9900, 0.2332, 0.2619**, and if you desaturate by 10%, it is **51.5868, 0.2635, 0.2915**.

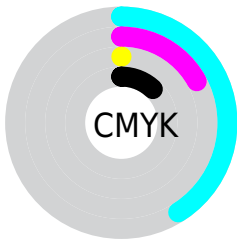
Distribution



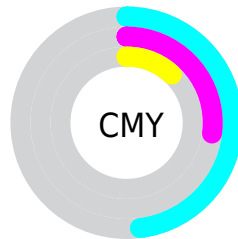
- Red (52%)
- Green (73%)
- Blue (88%)



- Red (52%)
- Yellow (65%)
- Blue (88%)



- Cyan (41%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4596, 0.2480, 0.2772 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 45.4596, 0.2480, 0.2772 by changing the saturation by 10% instead.

■ 45.4596, 0.2480,
0.2772

■ 45.4596, 0.2480,
0.2772

368.6318, 0.2797,
0.3032

■ 31.8196, 0.2404,
0.2708

■ 83.4097, 0.2593,
0.2866

■ 21.2237, 0.2308,
0.2626

■ 108.4885, 0.2636,
0.2902

■ 13.2876, 0.2184,
0.2518

■ 138.1491, 0.2673,
0.2932

■ 7.6269, 0.2017,
0.2370

172.7758, 0.2704,
0.2957

■ 3.8572, 0.1785,
0.2159

212.7530, 0.2732,
0.2980

■ 1.5940, 0.1445,
0.1836

258.4652, 0.2756,

■ 0.3535, 0.0467,

0.2999

0.1112

310.2966, 0.2777,
0.3016

■ 0.0000, 0.0000,
0.0000

■ 45.4596, 0.2480,
0.2772

■ 45.4596, 0.2480,
0.2772

■ 39.9900, 0.2332,
0.2619

■ 51.5868, 0.2635,
0.2915

■ 35.1424, 0.2195,
0.2460

■ 58.3944, 0.2794,
0.3047

■ 30.8849, 0.2075,
0.2296

■ 65.9103, 0.2952,
0.3168

■ 27.1797, 0.1974,
0.2132

■ 74.1590, 0.3107,
0.3277

■ 23.9823, 0.1896,
0.1971

■ 83.1635, 0.3257,
0.3374

■ 21.5551, 0.1843,
0.1835

■ 90.5877, 0.3318,
0.3464

■ 96.3748, 0.3307,
0.3554

■ 98.2163, 0.3304,
0.3582

Harmonies

Analogous

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



45.4596, 0.2448, 0.3004



45.4596, 0.2480, 0.2772



45.4596, 0.2673, 0.2687

Triad

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



45.4596, 0.2480, 0.2772



45.4596, 0.3693, 0.3204



45.4596, 0.3226, 0.3915

Complementary

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



45.4596, 0.2480, 0.2772



46.8238, 0.3987, 0.3749

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.



45.4596, 0.3574, 0.3939



45.4596, 0.2480, 0.2772



45.4596, 0.3857, 0.3507

Square

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



45.4596, 0.2480, 0.2772



45.4596, 0.3370, 0.2933



45.4596, 0.3810, 0.3778



45.4596, 0.2865, 0.3690

Rectangle

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



45.4596, 0.2480, 0.2772



45.4596, 0.2876, 0.2713



45.4596, 0.3810, 0.3778



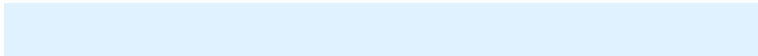
45.4596, 0.3349, 0.3947

Sweetspot

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



45.4613, 0.2480, 0.2772



86.7297, 0.2940, 0.3159



61.6928, 0.2852, 0.4019



18.2731, 0.2919, 0.3144



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.



45.4613, 0.2480, 0.2772



53.7737, 0.2346, 0.2634



29.0435, 0.2376, 0.2126



14.5580, 0.2981, 0.3189



12.6569, 0.1850, 0.1859



1.0532, 0.1917, 0.2101

Inverse Universe

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



36.0696, 0.3565, 0.2670



40.8085, 0.3704, 0.2541



67.4326, 0.3774, 0.4235



13.8333, 0.3202, 0.3155



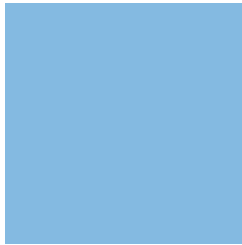
10.1858, 0.4615, 0.2316



0.7238, 0.4340, 0.2164

Previews

White Background



This preview shows how the Yxy color 45.4596, 0.2480, 0.2772 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 45.4596, 0.2480, 0.2772 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 45.4596, 0.2480, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 45.4596, 0.2480, 0.2772.

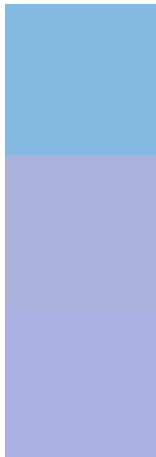


This preview shows how white text looks on a background with the Yxy color 45.4596, 0.2480, 0.2772.

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

45.4596, 0.2480, 0.2772

Protanopia

45.1048, 0.2757, 0.2758

Deuteranopia

45.2546, 0.2710, 0.2656



Tritanopia

45.7467, 0.2571, 0.3080

Trichromacy



Original Color

45.4596, 0.2480, 0.2772

Protanomaly

44.9309, 0.2646, 0.2760

Deuteranomaly

45.3016, 0.2622, 0.2702

Tritanomaly

45.8158, 0.2541, 0.2975

Monochromacy



Original Color

45.4596, 0.2480, 0.2772

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.0620, 0.2855, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4596, 0.2480, 0.2772 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(132, 186, 225)` looks like.

```
.text, #text, p{  
    color:rgb(132, 186, 225)  
}
```

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(132, 186, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 186, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.4596, 0.2480, 0.2772 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(132, 186, 225) }
```

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

```
.border{ border-color:rgb(132, 186, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 186, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 186, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 186, 225);  
box-shadow:4px 4px 4px 4px rgb(132, 186,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4596, 0.2480, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 186, 225) }
```

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

```
.background{ background-color: rgb(132,  
186, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor