

Converting Colors

$Yxy(45.1644, 0.2485, 0.2861)$

Have a look what the booklet for
Yxy(45.1644, 0.2485, 0.2861)
contains.

Yxy(45.1671, 0.2486, 0.2856)	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(45.1671, 0.2486, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	7FBBDB
RGB	127, 187, 219
RGB Percent	50%, 73%, 86%
CMY	0.5017, 0.2667, 0.1412
CMYK	0.42, 0.15, 0.00, 0.14
HSL	201°, 56%, 68%
HSV	201°, 42%, 86%
XYZ	39.3156, 45.1671, 73.6654
YIQ	172.7080, -46.0320, -2.7680

Conversions

Conversions Part 2

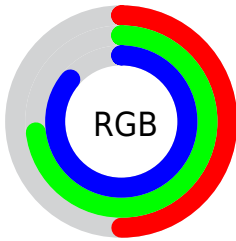
Format	Color
R _Y B	127, 163, 219
Decimal	8371163
CIE Lab	73.00, -11.08, -22.12
CIE LCh	73, 24.745, 243.391
Yxy	45.1671, 0.2486, 0.2856
Android (android.graphics.Color)	4286561243 (0xFF7FBDBD)
YUV	172.7080, 22.8220, -40.0859
Hunter-Lab	67.2065, -13.1893, -17.9436

Details

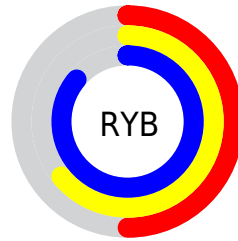
The Yxy color **45.1671, 0.2486, 0.2856** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **41.4163, 0.4038, 0.3679**, and the grayscale version is **41.5394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3885, 0.2702, 0.3159**, and **21.1082, 0.2317, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **40.5153, 0.2348, 0.2731**, and if you desaturate by 10%, it is **50.3597, 0.2634, 0.2974**.

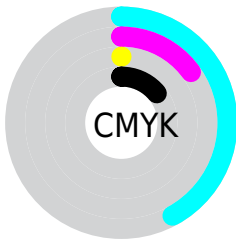
Distribution



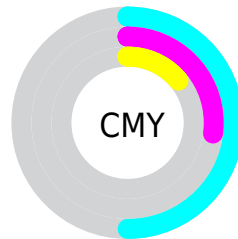
- Red (50%)
- Green (73%)
- Blue (86%)



- Red (50%)
- Yellow (64%)
- Blue (86%)



- Cyan (42%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1671, 0.2486, 0.2856 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 45.1671, 0.2486, 0.2856 by changing the saturation by 10% instead.

■ 45.1671, 0.2486,
0.2856

■ 45.1671, 0.2486,
0.2856

■ 367.4499, 0.2800,
0.3077

■ 31.5891, 0.2410,
0.2800

■ 82.9711, 0.2598,
0.2937

■ 21.0478, 0.2315,
0.2729

■ 107.9659, 0.2641,
0.2967

■ 13.1590, 0.2190,
0.2634

■ 137.5350, 0.2677,
0.2992

■ 7.5381, 0.2023,
0.2502

■ 172.0629, 0.2709,
0.3014

■ 3.8008, 0.1789,
0.2309

■ 211.9339, 0.2736,
0.3033

■ 1.5628, 0.1442,
0.2005

■ 257.5325, 0.2760,

■ 0.3323, 0.0172,

0.3049

0.1265

309.2430, 0.2781,
0.3064

0.0000, 0.0000,
0.0000

45.1671, 0.2486,
0.2856

45.1671, 0.2486,
0.2856

40.5153, 0.2348,
0.2731

50.3597, 0.2634,
0.2974

36.3725, 0.2222,
0.2601

56.1122, 0.2787,
0.3083

32.7110, 0.2114,
0.2467

62.4489, 0.2942,
0.3183

29.4973, 0.2025,
0.2332

69.3910, 0.3097,
0.3273

26.6918, 0.1957,
0.2199

76.9584, 0.3248,
0.3354

■ 24.6853, 0.1915,
0.2095

■ 84.5070, 0.3370,
0.3428

■ 88.9117, 0.3359,
0.3502

■ 93.5052, 0.3349,
0.3575

■ 97.8947, 0.3339,
0.3641

Harmonies

Analogous

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



45.1671, 0.2508, 0.3115



45.1671, 0.2486, 0.2856



45.1671, 0.2623, 0.2728

Triad

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



45.1671, 0.2486, 0.2856



45.1671, 0.3577, 0.3121



45.1671, 0.3333, 0.3909

Complementary

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



45.1671, 0.2486, 0.2856



41.4163, 0.4038, 0.3679

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.



45.1671, 0.3638, 0.3872



45.1671, 0.2486, 0.2856



45.1671, 0.3789, 0.3406

Square

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



45.1671, 0.2486, 0.2856



45.1671, 0.3244, 0.2885



45.1671, 0.3809, 0.3679



45.1671, 0.2984, 0.3753

Rectangle

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



45.1671, 0.2486, 0.2856



45.1671, 0.2792, 0.2723



45.1671, 0.3809, 0.3679



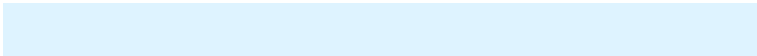
45.1671, 0.3445, 0.3917

Sweetspot

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



45.1688, 0.2486, 0.2856



87.1016, 0.2925, 0.3172



57.6403, 0.2893, 0.4144



18.2061, 0.2890, 0.3150



0.0000, 0.0000, 0.0000



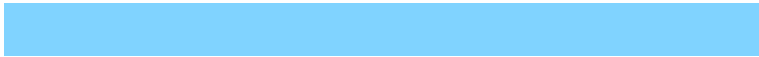
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1688, 0.2486, 0.2856



58.1644, 0.2368, 0.2751



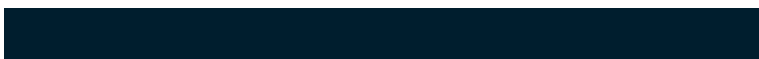
29.0927, 0.2381, 0.2215



14.0267, 0.2982, 0.3207



14.8489, 0.1921, 0.2114



1.1209, 0.1980, 0.2328

Inverse Universe

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



33.8431, 0.3501, 0.2588



41.2517, 0.3607, 0.2456



59.6283, 0.3818, 0.4172



13.1938, 0.3191, 0.3139



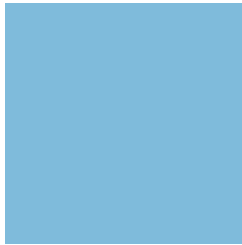
10.1228, 0.4325, 0.2156



0.6718, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 45.1671, 0.2486, 0.2856 looks on a white background.

Color Contrast Check

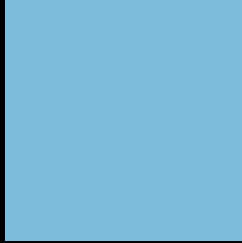
Large Text (above 18pt) WCAG AA × Fail

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 45.1671, 0.2486, 0.2856 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 45.1671, 0.2486, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 45.1671, 0.2486, 0.2856.



This preview shows how white text looks on a background with the Yxy color 45.1671, 0.2486, 0.2856.

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

45.1671, 0.2486, 0.2856

Protanopia

44.8557, 0.2813, 0.2841

Deuteranopia

44.9325, 0.2765, 0.2703



Tritanopia

45.0139, 0.2545, 0.3065

Trichromacy



Original Color

45.1671, 0.2486, 0.2856

Protanomaly

44.9226, 0.2678, 0.2844

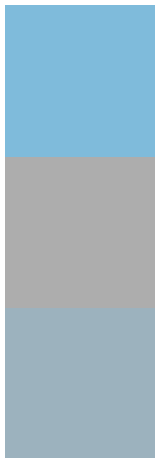
Deuteranomaly

44.6288, 0.2652, 0.2747

Tritanomaly

44.9047, 0.2521, 0.2984

Monochromacy



Original Color

45.1671, 0.2486, 0.2856

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.6264, 0.2853, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1671, 0.2486, 0.2856 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(127, 187, 219)` looks like.

```
.text, #text, p{  
    color:rgb(127, 187, 219)  
}
```

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(127, 187, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 187, 219) }
```

Border

The CSS property to change the border of an element to Yxy 45.1671, 0.2486, 0.2856 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(127, 187, 219) }
```

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

```
.border{ border-color:rgb(127, 187, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 187, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 187, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 187, 219);  
box-shadow:4px 4px 4px 4px rgb(127, 187,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1671, 0.2486, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 187, 219) }
```

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

```
.background{ background-color: rgb(127,  
187, 219) }
```

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