

Converting Colors

$Y_{xy}(44.7753, 0.2415, 0.2680)$

Have a look what the booklet for
Yxy(44.7753, 0.2415, 0.2680)
contains.

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Color

Yxy(44.9795, 0.2417, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	7FB9E7
RGB	127, 185, 231
RGB Percent	50%, 73%, 91%
CMY	0.5021, 0.2745, 0.0941
CMYK	0.45, 0.20, 0.00, 0.09
HSL	207°, 68%, 70%
HSV	207°, 45%, 91%
XYZ	40.5201, 44.9795, 82.1467
YIQ	172.9020, -49.3340, 2.0100

Conversions

Conversions Part 2

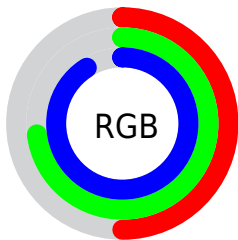
Format	Color
R _Y B	127, 164, 231
Decimal	8370663
CIE Lab	72.88, -6.79, -28.83
CIE LCh	73, 29.620, 256.757
Yxy	44.9795, 0.2417, 0.2683
Android (android.graphics.Color)	4286560743 (0xFF7FB9E7)
YUV	172.9020, 28.6423, -40.2561
Hunter-Lab	67.0668, -9.5215, -25.6746

Details

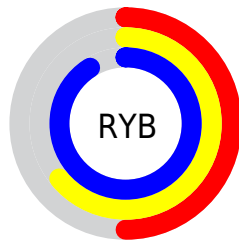
The Yxy color **44.9795, 0.2417, 0.2683** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.3875, 0.4079, 0.3817**, and the grayscale version is **41.6036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3209, 0.2705, 0.3137**, and **20.8998, 0.2230, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **39.2866, 0.2270, 0.2518**, and if you desaturate by 10%, it is **51.3891, 0.2573, 0.2839**.

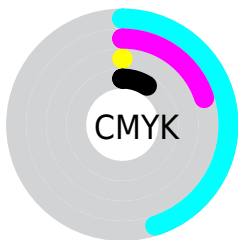
Distribution



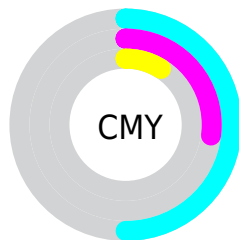
- Red (50%)
- Green (73%)
- Blue (91%)



- Red (50%)
- Yellow (64%)
- Blue (91%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9795, 0.2417, 0.2683 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 44.9795, 0.2417, 0.2683 by changing the saturation by 10% instead.

■ 44.9795, 0.2417,
0.2683

■ 44.9795, 0.2417,
0.2683

■ 366.6905, 0.2764,
0.2986

■ 31.4413, 0.2334,
0.2609

■ 82.6896, 0.2540,
0.2792

■ 20.9351, 0.2230,
0.2515

■ 107.6304, 0.2588,
0.2833

■ 13.0766, 0.2096,
0.2392

■ 137.1407, 0.2628,
0.2869

■ 7.4813, 0.1917,
0.2225

■ 171.6051, 0.2662,
0.2899

■ 3.7649, 0.1671,
0.1990

■ 211.4078, 0.2693,
0.2925

■ 1.5429, 0.1319,
0.1642

■ 256.9334, 0.2719,

■ 0.3187, 0.0381,

0.2948

0.0884

308.5662, 0.2743,
0.2968

0.0000, 0.0000,
0.0000

44.9795, 0.2417,
0.2683

44.9795, 0.2417,
0.2683

39.2866, 0.2270,
0.2518

51.3891, 0.2573,
0.2839

34.2708, 0.2135,
0.2347

58.5421, 0.2733,
0.2983

29.8954, 0.2018,
0.2173

66.4696, 0.2893,
0.3115

26.1167, 0.1923,
0.2001

75.1992, 0.3050,
0.3235

22.8823, 0.1850,
0.1834

84.7569, 0.3202,
0.3341

■ 21.4415, 0.1821,
0.1754

■ 93.1093, 0.3277,
0.3439

■ 98.5495, 0.3268,
0.3522

Harmonies

Analogous

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



44.9795, 0.2358, 0.2921



44.9795, 0.2417, 0.2683



44.9795, 0.2653, 0.2613

Triad

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



44.9795, 0.2417, 0.2683



44.9795, 0.3806, 0.3232



44.9795, 0.3183, 0.3984

Complementary

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



44.9795, 0.2417, 0.2683



48.3875, 0.4079, 0.3817

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.



44.9795, 0.3585, 0.4036



44.9795, 0.2417, 0.2683



44.9795, 0.3963, 0.3571

Square

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



44.9795, 0.2417, 0.2683



44.9795, 0.3453, 0.2923



44.9795, 0.3876, 0.3869



44.9795, 0.2782, 0.3701

Rectangle

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



44.9795, 0.2417, 0.2683



44.9795, 0.2891, 0.2656



44.9795, 0.3876, 0.3869



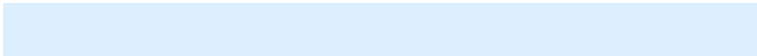
44.9795, 0.3322, 0.4029

Sweetspot

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



44.9812, 0.2417, 0.2683



84.1883, 0.2908, 0.3127



64.6410, 0.2823, 0.4076



17.5366, 0.2873, 0.3100



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.



44.9812, 0.2417, 0.2683



49.6655, 0.2280, 0.2531



27.2999, 0.2293, 0.1976



15.2144, 0.2981, 0.3184



12.2719, 0.1828, 0.1779



1.0913, 0.1894, 0.2020

Inverse Universe

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



35.6606, 0.3648, 0.2639



37.9536, 0.3807, 0.2517



71.8658, 0.3825, 0.4332



14.5020, 0.3205, 0.3160



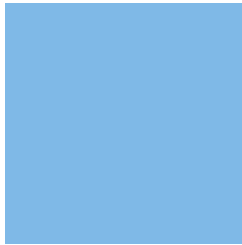
10.4366, 0.4710, 0.2368



0.7899, 0.4431, 0.2214

Previews

White Background



This preview shows how the Yxy color 44.9795, 0.2417, 0.2683 looks on a white background.

Color Contrast Check

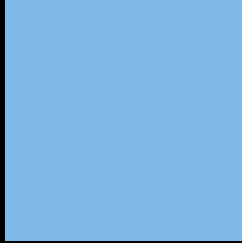
Large Text (above 18pt) WCAG AA × Fail

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 44.9795, 0.2417, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

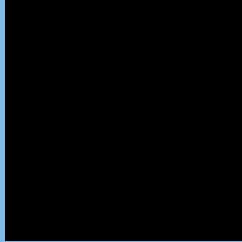
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9795, 0.2417, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 44.9795, 0.2417, 0.2683.



This preview shows how white text looks on a background with the Yxy color 44.9795, 0.2417, 0.2683.

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

44.9795, 0.2417, 0.2683

Protanopia

44.5939, 0.2687, 0.2672

Deuteranopia

44.6501, 0.2634, 0.2570



Tritanopia

45.1566, 0.2525, 0.3078

Trichromacy



Original Color

44.9795, 0.2417, 0.2683

Protanomaly

44.4617, 0.2580, 0.2672

Deuteranomaly

44.7418, 0.2551, 0.2616

Tritanomaly

44.9591, 0.2487, 0.2931

Monochromacy



Original Color

44.9795, 0.2417, 0.2683

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.4072, 0.2823, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9795, 0.2417, 0.2683 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, 185, 231)` looks like.

```
.text, #text, p{  
    color:rgb(127, 185, 231)  
}
```

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, 185, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 185, 231) }
```

Border

The CSS property to change the border of an element to Yxy 44.9795, 0.2417, 0.2683 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, 185, 231) }
```

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

```
.border{ border-color:rgb(127, 185, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 185, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 185, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 185, 231);  
box-shadow:4px 4px 4px 4px rgb(127, 185,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9795, 0.2417, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 185, 231) }
```

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

```
.background{ background-color: rgb(127,  
185, 231) }
```

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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