

Converting Colors

$Y_{xy}(43.6629, 0.2499, 0.2766)$

Have a look what the booklet for
Yxy(43.6629, 0.2499, 0.2766)
contains.

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Color

Yxy(43.6629, 0.2499, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	85B6DD
RGB	133, 182, 221
RGB Percent	52%, 71%, 87%
CMY	0.4785, 0.2862, 0.1334
CMYK	0.40, 0.18, 0.00, 0.13
HSL	207°, 56%, 69%
HSV	207°, 40%, 87%
XYZ	39.4482, 43.6629, 74.7447
YIQ	171.7950, -41.7230, 1.7410

Conversions

Conversions Part 2

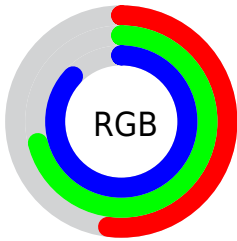
Format	Color
RYB	133, 164, 221
Decimal	8763101
CIELab	72.00, -6.36, -24.70
CIElCh	72, 25.506, 255.565
Yxy	43.6629, 0.2499, 0.2766
Android (android.graphics.Color)	4286953181 (0xFF85B6DD)
YUV	171.7950, 24.2581, -34.0232
Hunter-Lab	66.0779, -9.0728, -20.8119

Details

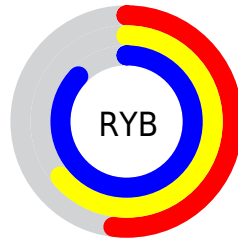
The Yxy color **43.6629, 0.2499, 0.2766** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.5537, 0.3937, 0.3756**, and the grayscale version is **41.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1879, 0.2730, 0.3105**, and **20.1160, 0.2330, 0.2610** is the 20% darker color. If you saturate the color by 10%, you get **38.1811, 0.2347, 0.2606**, and if you desaturate by 10%, it is **49.8066, 0.2657, 0.2916**.

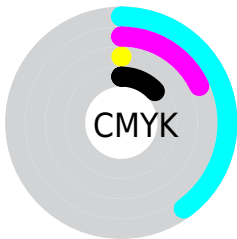
Distribution



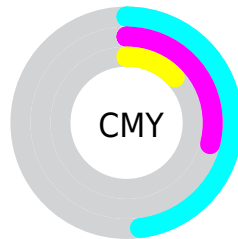
- Red (52%)
- Green (71%)
- Blue (87%)



- Red (52%)
- Yellow (64%)
- Blue (87%)



- Cyan (40%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (48%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6629, 0.2499, 0.2766 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 43.6629, 0.2499, 0.2766 by changing the saturation by 10% instead.

■ 43.6629, 0.2499,
0.2766

■ 43.6629, 0.2499,
0.2766

■ 361.3309, 0.2809,
0.3030

■ 30.4056, 0.2424,
0.2700

■ 80.7102, 0.2610,
0.2862

■ 20.1466, 0.2328,
0.2616

■ 105.2691, 0.2652,
0.2898

■ 12.5017, 0.2204,
0.2506

■ 134.3638, 0.2688,
0.2928

■ 7.0863, 0.2037,
0.2353

■ 168.3790, 0.2719,
0.2955

■ 3.5161, 0.1801,
0.2134

■ 207.6988, 0.2746,
0.2977

■ 1.4068, 0.1451,
0.1796

■ 252.7079, 0.2769,

■ 0.2217, 0.0211,

0.2997

0.0842

303.7904, 0.2790,
0.3014

0.0000, 0.0000,
0.0000

43.6629, 0.2499,
0.2766

43.6629, 0.2499,
0.2766

38.1811, 0.2347,
0.2606

49.8066, 0.2657,
0.2916

33.3266, 0.2205,
0.2438

56.6346, 0.2817,
0.3054

29.0686, 0.2078,
0.2265

64.1741, 0.2976,
0.3179

25.3705, 0.1971,
0.2091

72.4491, 0.3130,
0.3292

22.1900, 0.1886,
0.1921

81.4824, 0.3278,
0.3392

■ 19.4582, 0.1822,
0.1757

■ 89.2341, 0.3346,
0.3486

■ 19.4123, 0.1821,
0.1755

■ 95.1770, 0.3333,
0.3579

■ 97.9997, 0.3328,
0.3621

Harmonies

Analogous

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



43.6629, 0.2453, 0.2983



43.6629, 0.2499, 0.2766



43.6629, 0.2702, 0.2695

Triad

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



43.6629, 0.2499, 0.2766



43.6629, 0.3707, 0.3231



43.6629, 0.3193, 0.3894

Complementary

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



43.6629, 0.2499, 0.2766



46.5537, 0.3937, 0.3756

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.



43.6629, 0.3542, 0.3936



43.6629, 0.2499, 0.2766



43.6629, 0.3851, 0.3530

Square

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



43.6629, 0.2499, 0.2766



43.6629, 0.3398, 0.2959



43.6629, 0.3787, 0.3791



43.6629, 0.2840, 0.3657

Rectangle

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



43.6629, 0.2499, 0.2766



43.6629, 0.2909, 0.2728



43.6629, 0.3787, 0.3791



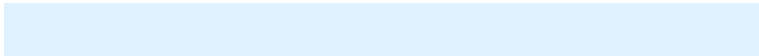
43.6629, 0.3315, 0.3931

Sweetspot

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



43.6646, 0.2499, 0.2766



86.3067, 0.2940, 0.3152



59.6357, 0.2852, 0.3966



18.1734, 0.2919, 0.3136



0.0000, 0.0000, 0.0000



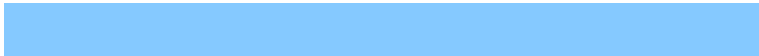
21.4041, 0.3127, 0.3290

Same Dimension

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



43.6646, 0.2499, 0.2766



53.8480, 0.2368, 0.2629



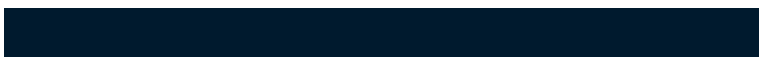
28.6274, 0.2404, 0.2156



13.8142, 0.2982, 0.3184



11.5079, 0.1828, 0.1780



0.9164, 0.1902, 0.2048

Inverse Universe

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



35.5187, 0.3566, 0.2715



42.1328, 0.3702, 0.2596



65.7246, 0.3745, 0.4216



13.1724, 0.3205, 0.3161



9.7855, 0.4710, 0.2368



0.6512, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 43.6629, 0.2499, 0.2766 looks on a white background.

Color Contrast Check

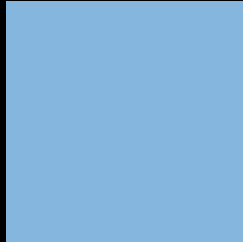
Large Text (above 18pt) WCAG AA × Fail

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 43.6629, 0.2499, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

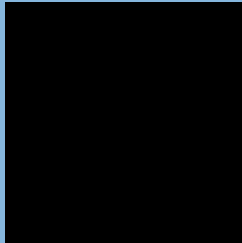
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6629, 0.2499, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 43.6629, 0.2499, 0.2766.



This preview shows how white text looks on a background with the Yxy color 43.6629, 0.2499, 0.2766.

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

43.6629, 0.2499, 0.2766

Protanopia

43.2854, 0.2751, 0.2761

Deuteranopia

43.5397, 0.2711, 0.2658



Tritanopia

43.8771, 0.2599, 0.3091

Trichromacy



Original Color

43.6629, 0.2499, 0.2766

Protanomaly

43.3241, 0.2653, 0.2765

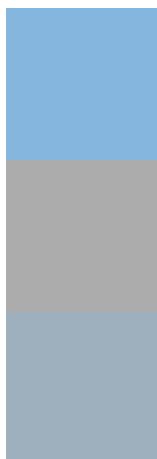
Deuteranomaly

43.2932, 0.2627, 0.2693

Tritanomaly

43.9978, 0.2562, 0.2971

Monochromacy



Original Color

43.6629, 0.2499, 0.2766

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.0375, 0.2867, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6629, 0.2499, 0.2766 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(133, 182, 221)` looks like.

```
.text, #text, p{  
    color:rgb(133, 182, 221)  
}
```

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(133, 182, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 182, 221) }
```

Border

The CSS property to change the border of an element to Yxy 43.6629, 0.2499, 0.2766 is called "border". The border property can be set on classes, ids or directly on the HTML element.

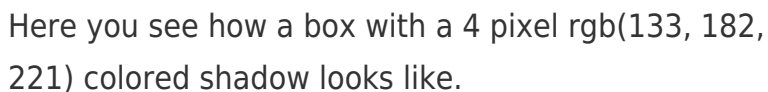
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 182, 221) }
```

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

```
.border{ border-color:rgb(133, 182, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 182, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 182, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 182, 221); box-shadow:4px 4px 4px 4px rgb(133, 182, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6629, 0.2499, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 182, 221) }
```

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

```
.background{ background-color: rgb(133,  
182, 221) }
```

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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