

Converting Colors

$Yxy(45.5248, 0.2638, 0.2769)$

Have a look what the booklet for
Yxy(45.5248, 0.2638, 0.2769)
contains.

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Color

Yxy(45.6984, 0.2636, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	9BB6DE
RGB	155, 182, 222
RGB Percent	61%, 71%, 87%
CMY	0.3922, 0.2862, 0.1295
CMYK	0.30, 0.18, 0.00, 0.13
HSL	216°, 50%, 74%
HSV	216°, 30%, 87%
XYZ	43.4250, 45.6984, 75.6149
YIQ	178.4870, -28.9320, 6.7160

Conversions

Conversions Part 2

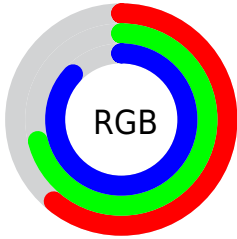
Format	Color
RYB	155, 174, 222
Decimal	10204894
CIELab	73.35, -0.03, -23.06
CIELCh	73, 23.060, 269.927
Yxy	45.6984, 0.2636, 0.2774
Android (android.graphics.Color)	4288394974 (0xFF9BB6DE)
YUV	178.4870, 21.4519, -20.5981
Hunter-Lab	67.6006, -3.6369, -18.9986

Details

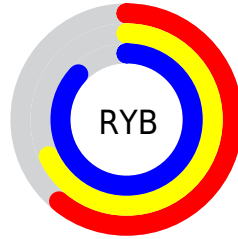
The Yxy color **45.6984, 0.2636, 0.2774** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.8972, 0.3666, 0.3756**, and the grayscale version is **44.6873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2180, 0.2857, 0.3112**, and **21.3153, 0.2500, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **38.5320, 0.2463, 0.2568**, and if you desaturate by 10%, it is **53.7850, 0.2806, 0.2963**.

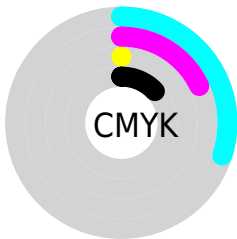
Distribution



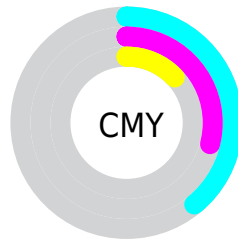
- Red (61%)
- Green (71%)
- Blue (87%)



- Red (61%)
- Yellow (68%)
- Blue (87%)



- Cyan (30%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6984, 0.2636, 0.2774 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 45.6984, 0.2636, 0.2774 by changing the saturation by 10% instead.

■ 45.6984, 0.2636,
0.2774

■ 45.6984, 0.2636,
0.2774

■ 369.5948, 0.2879,
0.3029

■ 32.0079, 0.2577,
0.2712

■ 83.7674, 0.2723,
0.2866

■ 21.3675, 0.2502,
0.2633

■ 108.9148, 0.2756,
0.2900

■ 13.3929, 0.2403,
0.2529

■ 138.6498, 0.2784,
0.2930

■ 7.6997, 0.2270,
0.2389

■ 173.3570, 0.2809,
0.2955

■ 3.9034, 0.2079,
0.2189

■ 213.4207, 0.2830,
0.2977

■ 1.6197, 0.1789,
0.1884

■ 259.2253, 0.2848,

■ 0.3708, 0.1111,

0.2997

0.1171

311.1552, 0.2864,
0.3014

0.0000, 0.0000,
0.0000

45.6984, 0.2636,
0.2774

45.6984, 0.2636,
0.2774

38.5320, 0.2463,
0.2568

53.7850, 0.2806,
0.2963

32.2441, 0.2292,
0.2347

62.8204, 0.2970,
0.3135

26.7973, 0.2130,
0.2117

72.8386, 0.3125,
0.3288

22.1493, 0.1981,
0.1884

83.8702, 0.3270,
0.3423

18.2527, 0.1855,
0.1656

93.8029, 0.3330,
0.3548

■ 15.0535, 0.1754,
0.1442

■ 98.0521, 0.3322,
0.3612

■ 12.5081, 0.1681,
0.1252

Harmonies

Analogous

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



45.6984, 0.2524, 0.2910



45.6984, 0.2636, 0.2774



45.6984, 0.2877, 0.2771

Triad

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



45.6984, 0.2636, 0.2774



45.6984, 0.3726, 0.3368



45.6984, 0.3032, 0.3743

Complementary

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



45.6984, 0.2636, 0.2774



56.8972, 0.3666, 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.



45.6984, 0.3356, 0.3868



45.6984, 0.2636, 0.2774



45.6984, 0.3768, 0.3627

Square

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



45.6984, 0.2636, 0.2774



45.6984, 0.3513, 0.3105



45.6984, 0.3628, 0.3817



45.6984, 0.2744, 0.3475

Rectangle

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



45.6984, 0.2636, 0.2774



45.6984, 0.3087, 0.2839



45.6984, 0.3628, 0.3817



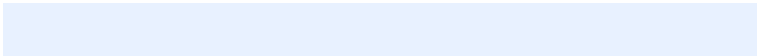
45.6984, 0.3141, 0.3804

Sweetspot

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



45.7002, 0.2636, 0.2774



87.4776, 0.2987, 0.3152



63.0903, 0.2852, 0.3644



18.3130, 0.2964, 0.3129



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.



45.7002, 0.2636, 0.2774



56.4448, 0.2531, 0.2650



36.2448, 0.2638, 0.2420



14.1465, 0.2981, 0.3146



7.6368, 0.1689, 0.1279



0.7016, 0.1774, 0.1585

Inverse Universe

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



42.3421, 0.3531, 0.2973



51.7066, 0.3644, 0.2907



69.2487, 0.3538, 0.4052



13.7917, 0.3229, 0.3196



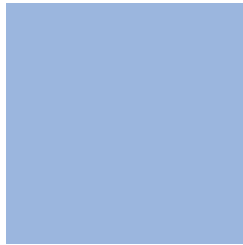
9.6790, 0.5356, 0.2724



0.6883, 0.4950, 0.2500

Previews

White Background



This preview shows how the Yxy color 45.6984, 0.2636, 0.2774 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 45.6984, 0.2636, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

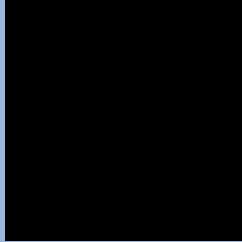
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

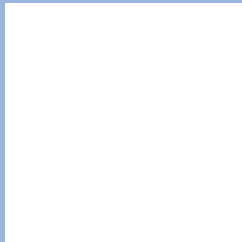
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6984, 0.2636, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 45.6984, 0.2636, 0.2774.



This preview shows how white text looks on a background with the Yxy color 45.6984, 0.2636, 0.2774.

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

45.6984, 0.2636, 0.2774

Protanopia

45.5013, 0.2758, 0.2771

Deuteranopia

45.4923, 0.2767, 0.2705



Tritanopia

45.8189, 0.2740, 0.3086

Trichromacy



Original Color

45.6984, 0.2636, 0.2774

Protanomaly

45.4068, 0.2715, 0.2767

Deuteranomaly

45.4933, 0.2717, 0.2723

Tritanomaly

45.9768, 0.2701, 0.2971

Monochromacy



Original Color

45.6984, 0.2636, 0.2774

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.6813, 0.2936, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6984, 0.2636, 0.2774 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(155, 182, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 182, 222)  
}
```

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(155, 182, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 182, 222) }
```

Border

The CSS property to change the border of an element to Yxy 45.6984, 0.2636, 0.2774 is called "border". The border property can be set on classes, ids or directly on the HTML element.

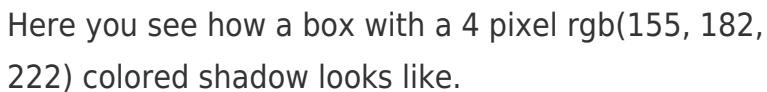
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 182, 222) }
```

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

```
.border{ border-color:rgb(155, 182, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 182, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 182, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 182, 222); box-shadow:4px 4px 4px 4px rgb(155, 182, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6984, 0.2636, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 182, 222) }
```

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

```
.background{ background-color: rgb(155,  
182, 222) }
```

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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