

Converting Colors

$Yxy(46.0191, 0.2597, 0.2720)$

Have a look what the booklet for
Yxy(46.0191, 0.2597, 0.2720)
contains.

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Color

Yxy(45.8720, 0.2599, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	9AB6E3
RGB	154, 182, 227
RGB Percent	60%, 71%, 89%
CMY	0.3959, 0.2863, 0.1098
CMYK	0.32, 0.20, 0.00, 0.11
HSL	217°, 57%, 75%
HSV	217°, 32%, 89%
XYZ	43.9283, 45.8720, 79.2196
YIQ	178.7580, -31.1330, 8.0590

Conversions

Conversions Part 2

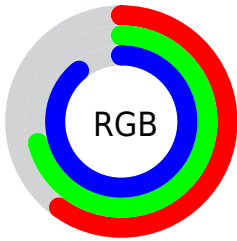
Format	Color
RYB	154, 174, 227
Decimal	10139363
CIELab	73.46, 0.97, -25.64
CIELCh	73, 25.655, 272.157
Yxy	45.8720, 0.2599, 0.2714
Android (android.graphics.Color)	4288329443 (0xFF9AB6E3)
YUV	178.7580, 23.7833, -21.7128
Hunter-Lab	67.7289, -2.7522, -21.9388

Details

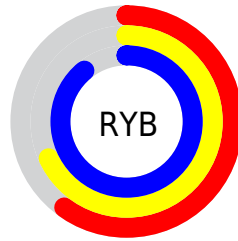
The Yxy color **45.8720, 0.2599, 0.2714** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.5512, 0.3702, 0.3804**, and the grayscale version is **44.8335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0707, 0.2851, 0.3112**, and **21.4075, 0.2462, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **38.3982, 0.2424, 0.2497**, and if you desaturate by 10%, it is **54.3447, 0.2772, 0.2914**.

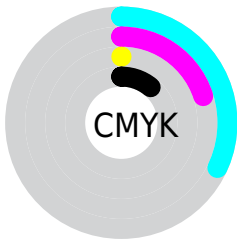
Distribution



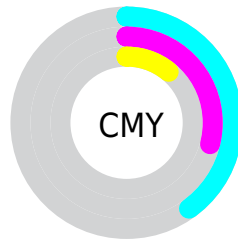
- Red (60%)
- Green (71%)
- Blue (89%)



- Red (60%)
- Yellow (68%)
- Blue (89%)



- Cyan (32%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8720, 0.2599, 0.2714 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 45.8720, 0.2599, 0.2714 by changing the saturation by 10% instead.

■ 45.8720, 0.2599,
0.2714

■ 45.8720, 0.2599,
0.2714

370.2938, 0.2859,
0.2997

■ 32.1448, 0.2536,
0.2645

■ 84.0274, 0.2692,
0.2815

■ 21.4721, 0.2456,
0.2559

■ 109.2244, 0.2728,
0.2854

■ 13.4696, 0.2351,
0.2446

139.0135, 0.2758,
0.2887

■ 7.7527, 0.2210,
0.2294

173.7791, 0.2784,
0.2915

■ 3.9371, 0.2011,
0.2080

213.9055, 0.2806,
0.2939

■ 1.6384, 0.1711,
0.1760

259.7771, 0.2826,

■ 0.3833, 0.1079,

0.2961

0.1067

311.7785, 0.2844,
0.2980

0.0000, 0.0000,
0.0000

45.8720, 0.2599,
0.2714

45.8720, 0.2599,
0.2714

38.3982, 0.2424,
0.2497

54.3447, 0.2772,
0.2914

31.8774, 0.2251,
0.2265

63.8490, 0.2938,
0.3096

26.2676, 0.2088,
0.2026

74.4226, 0.3095,
0.3258

21.5210, 0.1941,
0.1786

86.0993, 0.3242,
0.3401

17.5844, 0.1817,
0.1554

96.4507, 0.3295,
0.3534

■ 14.3965, 0.1721,
0.1341

■ 98.3267, 0.3292,
0.3562

■ 12.3495, 0.1664,
0.1190

Harmonies

Analogous

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



45.8720, 0.2465, 0.2851



45.8720, 0.2599, 0.2714



45.8720, 0.2874, 0.2724

Triad

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



45.8720, 0.2599, 0.2714



45.8720, 0.3804, 0.3396



45.8720, 0.2994, 0.3778

Complementary

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



45.8720, 0.2599, 0.2714



59.5512, 0.3702, 0.3804

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.



45.8720, 0.3354, 0.3931



45.8720, 0.2599, 0.2714



45.8720, 0.3834, 0.3680

Square

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



45.8720, 0.2599, 0.2714



45.8720, 0.3579, 0.3104



45.8720, 0.3664, 0.3884



45.8720, 0.2682, 0.3469

Rectangle

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



45.8720, 0.2599, 0.2714



45.8720, 0.3108, 0.2805



45.8720, 0.3664, 0.3884



45.8720, 0.3113, 0.3851

Sweetspot

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



45.8738, 0.2599, 0.2714



85.8476, 0.2971, 0.3131



65.9458, 0.2822, 0.3640



17.9738, 0.2948, 0.3107



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.



45.8738, 0.2599, 0.2714



52.6607, 0.2474, 0.2561



36.4177, 0.2619, 0.2358



14.7872, 0.2981, 0.3141



7.4103, 0.1672, 0.1218



0.7228, 0.1753, 0.1509

Inverse Universe

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



42.8398, 0.3581, 0.2968



48.7645, 0.3725, 0.2895



72.2622, 0.3546, 0.4108



14.4589, 0.3233, 0.3200



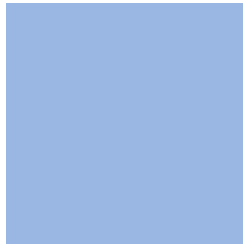
9.9458, 0.5441, 0.2771



0.7526, 0.5047, 0.2554

Previews

White Background



This preview shows how the Yxy color 45.8720, 0.2599, 0.2714 looks on a white background.

Color Contrast Check

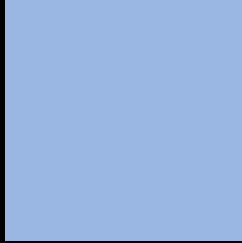
Large Text (above 18pt) WCAG AA × Fail

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 45.8720, 0.2599, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

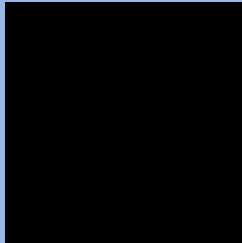
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

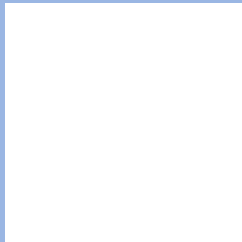
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8720, 0.2599, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 45.8720, 0.2599, 0.2714.



This preview shows how white text looks on a background with the Yxy color 45.8720, 0.2599, 0.2714.

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

45.8720, 0.2599, 0.2714

Protanopia

45.6576, 0.2717, 0.2713

Deuteranopia

45.8164, 0.2712, 0.2659



Tritanopia

46.0536, 0.2727, 0.3099

Trichromacy



Original Color

45.8720, 0.2599, 0.2714

Protanomaly

45.5690, 0.2676, 0.2708

Deuteranomaly

45.8410, 0.2664, 0.2676

Tritanomaly

45.8351, 0.2681, 0.2957

Monochromacy



Original Color

45.8720, 0.2599, 0.2714

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1741, 0.2921, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8720, 0.2599, 0.2714 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(154, 182, 227)` looks like.

```
.text, #text, p{  
    color:rgb(154, 182, 227)  
}
```

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(154, 182, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 182, 227) }
```

Border

The CSS property to change the border of an element to Yxy 45.8720, 0.2599, 0.2714 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(154, 182, 227) }
```

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

```
.border{ border-color:rgb(154, 182, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 182, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 182, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 182, 227); box-shadow:4px 4px 4px 4px rgb(154, 182, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8720, 0.2599, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 182, 227) }
```

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

```
.background{ background-color: rgb(154,  
182, 227) }
```

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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