

Converting Colors

$Yxy(47.4418, 0.2545, 0.2785)$

Have a look what the booklet for
Yxy(47.4418, 0.2545, 0.2785)
contains.

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Color

Yxy(47.4418, 0.2545, 0.2785)

Conversions

Conversions Part 1

Format	Color
Hex	90BCE3
RGB	144, 188, 227
RGB Percent	56%, 74%, 89%
CMY	0.4352, 0.2628, 0.1098
CMYK	0.37, 0.17, 0.00, 0.11
HSL	208°, 60%, 73%
HSV	208°, 37%, 89%
XYZ	43.3535, 47.4418, 79.5523
YIQ	179.2900, -38.7430, 2.8010

Conversions

Conversions Part 2

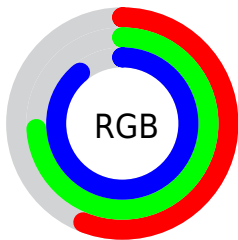
Format	Color
RYB	144, 173, 227
Decimal	9485539
CIELab	74.47, -5.08, -24.15
CIELCh	74, 24.676, 258.125
Yxy	47.4418, 0.2545, 0.2785
Android (android.graphics.Color)	4287675619 (0xFF90BCE3)
YUV	179.2900, 23.5210, -30.9493
Hunter-Lab	68.8780, -8.1844, -20.2638

Details

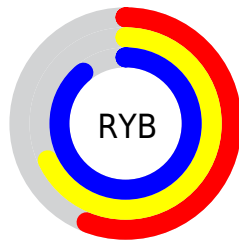
The Yxy color **47.4418, 0.2545, 0.2785** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.2284, 0.3846, 0.3743**, and the grayscale version is **45.1329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2007, 0.2797, 0.3173**, and **22.4802, 0.2388, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **41.2083, 0.2387, 0.2617**, and if you desaturate by 10%, it is **54.4272, 0.2707, 0.2941**.

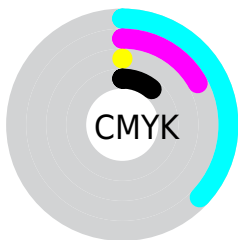
Distribution



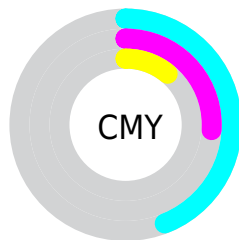
- Red (56%)
- Green (74%)
- Blue (89%)



- Red (56%)
- Yellow (68%)
- Blue (89%)



- Cyan (37%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (44%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4418, 0.2545, 0.2785 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 47.4418, 0.2545, 0.2785 by changing the saturation by 10% instead.

■ 47.4418, 0.2545,
0.2785

■ 47.4418, 0.2545,
0.2785

376.5753, 0.2829,
0.3035

■ 33.3851, 0.2477,
0.2724

■ 86.3727, 0.2646,
0.2875

■ 22.4216, 0.2391,
0.2646

■ 112.0157, 0.2685,
0.2909

■ 14.1670, 0.2280,
0.2544

142.2895, 0.2718,
0.2938

■ 8.2369, 0.2131,
0.2406

177.5786, 0.2746,
0.2963

■ 4.2469, 0.1922,
0.2210

218.2673, 0.2771,
0.2985

■ 1.8126, 0.1614,
0.1912

264.7400, 0.2793,

■ 0.4950, 0.0937,

0.3004

0.1338

317.3812, 0.2812,
0.3020

0.0000, 0.0000,
0.0000

47.4418, 0.2545,
0.2785

47.4418, 0.2545,
0.2785

41.2083, 0.2387,
0.2617

54.4272, 0.2707,
0.2941

35.6891, 0.2238,
0.2440

62.1886, 0.2868,
0.3084

30.8511, 0.2101,
0.2257

70.7558, 0.3026,
0.3213

26.6555, 0.1984,
0.2072

80.1550, 0.3179,
0.3328

23.0581, 0.1888,
0.1890

89.9287, 0.3307,
0.3432

■ 20.0043, 0.1815,
0.1716

■ 96.4454, 0.3295,
0.3534

■ 19.0504, 0.1794,
0.1657

■ 98.3267, 0.3292,
0.3562

Harmonies

Analogous

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



47.4418, 0.2488, 0.2980



47.4418, 0.2545, 0.2785



47.4418, 0.2749, 0.2728

Triad

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



47.4418, 0.2545, 0.2785



47.4418, 0.3691, 0.3259



47.4418, 0.3161, 0.3844

Complementary

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



47.4418, 0.2545, 0.2785



52.2284, 0.3846, 0.3743

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.



47.4418, 0.3493, 0.3901



47.4418, 0.2545, 0.2785



47.4418, 0.3811, 0.3541

Square

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



47.4418, 0.2545, 0.2785



47.4418, 0.3411, 0.2997



47.4418, 0.3735, 0.3780



47.4418, 0.2832, 0.3609

Rectangle

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



47.4418, 0.2545, 0.2785



47.4418, 0.2950, 0.2767



47.4418, 0.3735, 0.3780



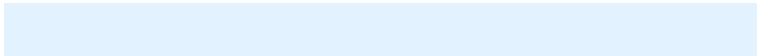
47.4418, 0.3276, 0.3885

Sweetspot

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



47.4436, 0.2545, 0.2785



86.9362, 0.2956, 0.3156



64.2840, 0.2855, 0.3864



18.2829, 0.2934, 0.3139



0.0000, 0.0000, 0.0000



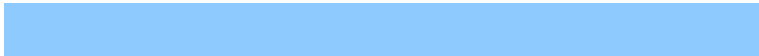
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4436, 0.2545, 0.2785



55.4027, 0.2422, 0.2656



32.2797, 0.2466, 0.2225



15.1452, 0.2981, 0.3177



11.3448, 0.1801, 0.1683



1.0240, 0.1871, 0.1935

Inverse Universe

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



39.9167, 0.3542, 0.2786



45.1213, 0.3667, 0.2680



71.7899, 0.3685, 0.4171



14.4950, 0.3210, 0.3166



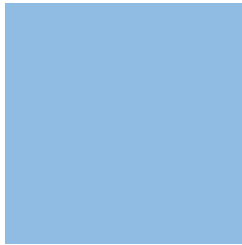
10.3430, 0.4828, 0.2433



0.7831, 0.4527, 0.2267

Previews

White Background



This preview shows how the Yxy color 47.4418, 0.2545, 0.2785 looks on a white background.

Color Contrast Check

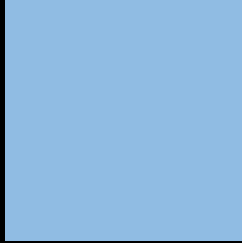
Large Text (above 18pt) WCAG AA × Fail

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 47.4418, 0.2545, 0.2785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

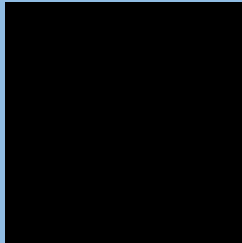
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

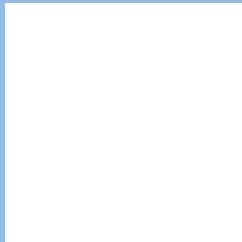
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4418, 0.2545, 0.2785

Background



This preview shows how black text looks on a background with the Yxy color 47.4418, 0.2545, 0.2785.



This preview shows how white text looks on a background with the Yxy color 47.4418, 0.2545, 0.2785.

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

47.4418, 0.2545, 0.2785

Protanopia

47.2059, 0.2763, 0.2779

Deuteranopia

47.2445, 0.2744, 0.2679



Tritanopia

47.2556, 0.2636, 0.3072

Trichromacy



Original Color

47.4418, 0.2545, 0.2785

Protanomaly

47.3442, 0.2675, 0.2783

Deuteranomaly

47.0567, 0.2668, 0.2715

Tritanomaly

47.3447, 0.2605, 0.2969

Monochromacy



Original Color

47.4418, 0.2545, 0.2785

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.5484, 0.2891, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4418, 0.2545, 0.2785 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(144, 188, 227)` looks like.

```
.text, #text, p{  
    color:rgb(144, 188, 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(144, 188, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 188, 227) }
```

Border

The CSS property to change the border of an element to Yxy 47.4418, 0.2545, 0.2785 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(144, 188, 227) }
```

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

```
.border{ border-color:rgb(144, 188, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 188, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 188, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 188, 227);  
box-shadow:4px 4px 4px 4px rgb(144, 188,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4418, 0.2545, 0.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 188, 227) }
```

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

```
.background{ background-color: rgb(144,  
188, 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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