

Converting Colors

$Y_{xy}(42.9290, 0.2535, 0.2646)$

Have a look what the booklet for
Yxy(42.9290, 0.2535, 0.2646)
contains.

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Color

Yxy(42.9550, 0.2536, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	91B1E2
RGB	145, 177, 226
RGB Percent	57%, 69%, 89%
CMY	0.4315, 0.3058, 0.1137
CMYK	0.36, 0.22, 0.00, 0.11
HSL	216°, 58%, 73%
HSV	216°, 36%, 89%
XYZ	41.1226, 42.9550, 78.0779
YIQ	173.0180, -34.8010, 8.4550

Conversions

Conversions Part 2

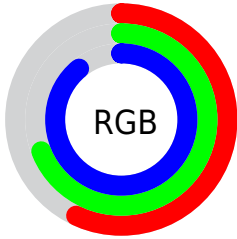
Format	Color
RYB	145, 168, 226
Decimal	9548258
CIELab	71.52, 0.91, -28.11
CIELCh	72, 28.124, 271.848
Yxy	42.9550, 0.2536, 0.2649
Android (android.graphics.Color)	4287738338 (0xFF91B1E2)
YUV	173.0180, 26.1201, -24.5718
Hunter-Lab	65.5401, -2.6966, -24.7541

Details

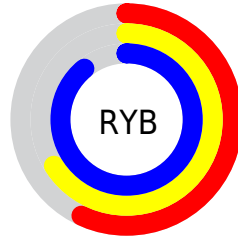
The Yxy color **42.9550, 0.2536, 0.2649** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.7805, 0.3784, 0.3854**, and the grayscale version is **41.6747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9153, 0.2794, 0.3055**, and **19.8317, 0.2369, 0.2473** is the 20% darker color. If you saturate the color by 10%, you get **35.9733, 0.2363, 0.2431**, and if you desaturate by 10%, it is **50.8889, 0.2709, 0.2852**.

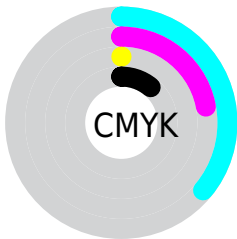
Distribution



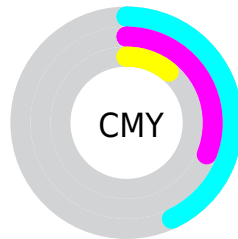
- Red (57%)
- Green (69%)
- Blue (89%)



- Red (57%)
- Yellow (66%)
- Blue (89%)



- Cyan (36%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (43%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9550, 0.2536, 0.2649 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 42.9550, 0.2536, 0.2649 by changing the saturation by 10% instead.

■ 42.9550, 0.2536,
0.2649

■ 42.9550, 0.2536,
0.2649

■ 358.4267, 0.2830,
0.2966

■ 29.8498, 0.2464,
0.2572

■ 79.6429, 0.2642,
0.2763

■ 19.7246, 0.2373,
0.2474

■ 103.9945, 0.2682,
0.2806

■ 12.1950, 0.2254,
0.2346

■ 132.8636, 0.2716,
0.2843

■ 6.8766, 0.2093,
0.2173

■ 166.6347, 0.2745,
0.2875

■ 3.3851, 0.1866,
0.1930

■ 205.6922, 0.2770,
0.2902

■ 1.3359, 0.1527,
0.1570

■ 250.4204, 0.2792,

■ 0.1688, 0.0598,

0.2926

0.0553

301.2038, 0.2812,
0.2947

0.0000, 0.0000,
0.0000

42.9550, 0.2536,
0.2649

42.9550, 0.2536,
0.2649

35.9733, 0.2363,
0.2431

50.8889, 0.2709,
0.2852

29.8986, 0.2194,
0.2201

59.8076, 0.2877,
0.3036

24.6892, 0.2038,
0.1965

69.7479, 0.3038,
0.3202

20.2972, 0.1900,
0.1731

80.7433, 0.3188,
0.3349

16.6687, 0.1787,
0.1508

92.2574, 0.3309,
0.3480

■ 13.7404, 0.1703,
0.1304

■ 98.2712, 0.3298,
0.3572

■ 12.6962, 0.1674,
0.1226

Harmonies

Analogous

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



42.9550, 0.2390, 0.2799



42.9550, 0.2536, 0.2649



42.9550, 0.2839, 0.2660

Triad

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



42.9550, 0.2536, 0.2649



42.9550, 0.3886, 0.3400



42.9550, 0.2980, 0.3844

Complementary

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



42.9550, 0.2536, 0.2649



56.7805, 0.3784, 0.3854

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.



42.9550, 0.3382, 0.4013



42.9550, 0.2536, 0.2649



42.9550, 0.3920, 0.3718

Square

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



42.9550, 0.2536, 0.2649



42.9550, 0.3630, 0.3078



42.9550, 0.3729, 0.3952



42.9550, 0.2633, 0.3494

Rectangle

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



42.9550, 0.2536, 0.2649



42.9550, 0.3100, 0.2749



42.9550, 0.3729, 0.3952



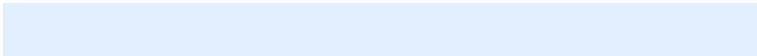
42.9550, 0.3113, 0.3926

Sweetspot

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



42.9567, 0.2536, 0.2649



84.7156, 0.2955, 0.3118



64.2890, 0.2799, 0.3705



17.7544, 0.2933, 0.3095



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.



42.9567, 0.2536, 0.2649



49.5399, 0.2407, 0.2488



32.5123, 0.2538, 0.2230



14.1280, 0.2981, 0.3144



7.4592, 0.1682, 0.1255



0.6882, 0.1768, 0.1563

Inverse Universe

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



39.5858, 0.3644, 0.2918



45.2792, 0.3801, 0.2841



71.3289, 0.3603, 0.4200



13.7899, 0.3230, 0.3198



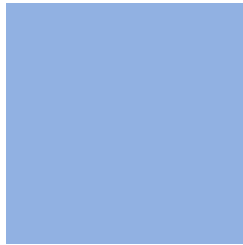
9.6611, 0.5388, 0.2742



0.6869, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 42.9550, 0.2536, 0.2649 looks on a white background.

Color Contrast Check

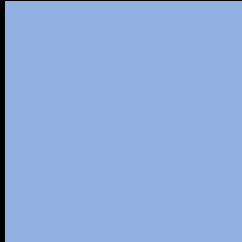
Large Text (above 18pt) WCAG AA × Fail

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 42.9550, 0.2536, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

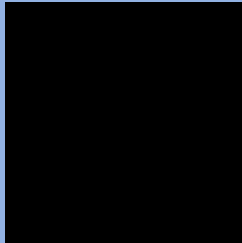
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

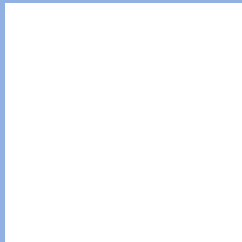
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9550, 0.2536, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 42.9550, 0.2536, 0.2649.



This preview shows how white text looks on a background with the Yxy color 42.9550, 0.2536, 0.2649.

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

42.9550, 0.2536, 0.2649

Protanopia

42.8962, 0.2666, 0.2650

Deuteranopia

42.9436, 0.2654, 0.2595



Tritanopia

42.8904, 0.2676, 0.3079

Trichromacy



Original Color

42.9550, 0.2536, 0.2649

Protanomaly

42.7218, 0.2618, 0.2644

Deuteranomaly

42.9863, 0.2607, 0.2612

Tritanomaly

42.8593, 0.2624, 0.2907

Monochromacy



Original Color

42.9550, 0.2536, 0.2649

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8644, 0.2892, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9550, 0.2536, 0.2649 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(145, 177, 226)` looks like.

```
.text, #text, p{  
    color:rgb(145, 177, 226)  
}
```

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(145, 177, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 177, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.9550, 0.2536, 0.2649 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(145, 177, 226) }
```

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

```
.border{ border-color:rgb(145, 177, 226) }
```

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

Here you see how a box with a 4 pixel rgb(145, 177, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 177, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 177, 226);  
box-shadow:4px 4px 4px 4px rgb(145, 177,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9550, 0.2536, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 177, 226) }
```

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

```
.background{ background-color: rgb(145,  
177, 226) }
```

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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