

Converting Colors

$Y_{xy}(42.8021, 0.2619, 0.2601)$

Have a look what the booklet for
Yxy(42.8021, 0.2619, 0.2601)
contains.

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Color

Yxy(42.8041, 0.2619, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	9FADE3
RGB	159, 173, 227
RGB Percent	62%, 68%, 89%
CMY	0.3766, 0.3215, 0.1098
CMYK	0.30, 0.24, 0.00, 0.11
HSL	228°, 55%, 76%
HSV	228°, 30%, 89%
XYZ	43.1003, 42.8041, 78.6634
YIQ	174.9700, -25.6780, 13.8260

Conversions

Conversions Part 2

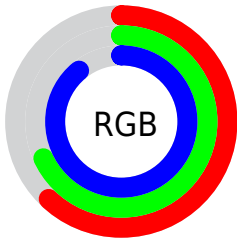
Format	Color
R _Y B	159, 171, 227
Decimal	10464739
CIE Lab	71.42, 7.32, -28.73
CIE LCh	71, 29.650, 284.287
Yxy	42.8041, 0.2619, 0.2601
Android (android.graphics.Color)	4288654819 (0xFF9FADE3)
YUV	174.9700, 25.6508, -14.0057
Hunter-Lab	65.4248, 3.0981, -25.4898

Details

The Yxy color **42.8041, 0.2619, 0.2601** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.3939, 0.3621, 0.3895**, and the grayscale version is **42.7259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1539, 0.2877, 0.3007**, and **19.6792, 0.2483, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **34.2462, 0.2427, 0.2323**, and if you desaturate by 10%, it is **52.7227, 0.2802, 0.2857**.

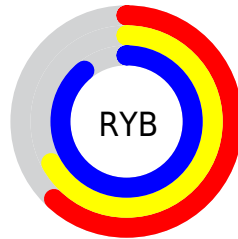
Distribution



Red (62%)

Green (68%)

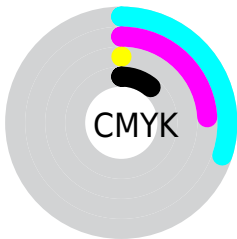
Blue (89%)



Red (62%)

Yellow (67%)

Blue (89%)

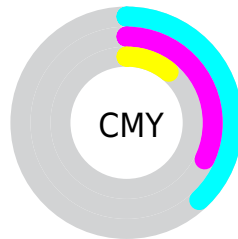


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (38%)

Magenta (32%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8041, 0.2619, 0.2601 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 42.8041, 0.2619, 0.2601 by changing the saturation by 10% instead.

■ 42.8041, 0.2619,
0.2601

■ 42.8041, 0.2619,
0.2601

357.8055, 0.2874,
0.2938

■ 29.7314, 0.2556,
0.2520

■ 79.4152, 0.2711,
0.2721

■ 19.6348, 0.2476,
0.2418

■ 103.7223, 0.2746,
0.2767

■ 12.1299, 0.2370,
0.2285

132.5432, 0.2775,
0.2806

■ 6.8322, 0.2227,
0.2108

166.2620, 0.2801,
0.2840

■ 3.3574, 0.2021,
0.1861

205.2633, 0.2823,
0.2869

■ 1.3210, 0.1708,
0.1501

249.9313, 0.2842,

■ 0.1574, 0.1010,

0.2895

0.0485

300.6506, 0.2859,
0.2918

0.0000, 0.0000,
0.0000

42.8041, 0.2619,
0.2601

42.8041, 0.2619,
0.2601

34.2462, 0.2427,
0.2323

52.7227, 0.2802,
0.2857

26.9834, 0.2233,
0.2029

64.0533, 0.2972,
0.3087

20.9526, 0.2044,
0.1730

76.8509, 0.3128,
0.3291

16.0826, 0.1873,
0.1440

91.1659, 0.3268,
0.3469

12.2950, 0.1729,
0.1177

98.3261, 0.3292,
0.3562

■ 9.5003, 0.1622,
0.0957

■ 7.5747, 0.1553,
0.0791

■ 7.5706, 0.1553,
0.0790

Harmonies

Analogous

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



42.8041, 0.2393, 0.2686



42.8041, 0.2619, 0.2601



42.8041, 0.2990, 0.2679

Triad

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



42.8041, 0.2619, 0.2601



42.8041, 0.3974, 0.3547



42.8041, 0.2806, 0.3739

Complementary

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



42.8041, 0.2619, 0.2601



66.3939, 0.3621, 0.3895

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.



42.8041, 0.3218, 0.4011



42.8041, 0.2619, 0.2601



42.8041, 0.3906, 0.3857

Square

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



42.8041, 0.2619, 0.2601



42.8041, 0.3794, 0.3202



42.8041, 0.3623, 0.4043



42.8041, 0.2494, 0.3328

Rectangle

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



42.8041, 0.2619, 0.2601



42.8041, 0.3279, 0.2809



42.8041, 0.3623, 0.4043



42.8041, 0.2937, 0.3853

Sweetspot

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



42.8058, 0.2619, 0.2601



84.8315, 0.2987, 0.3106



67.0720, 0.2776, 0.3469



17.6644, 0.2963, 0.3075



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.



42.8058, 0.2619, 0.2601



48.5506, 0.2500, 0.2429



39.8215, 0.2749, 0.2451



14.3670, 0.2980, 0.3098



4.5498, 0.1559, 0.0811



0.4678, 0.1631, 0.1072

Inverse Universe

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



44.1311, 0.3658, 0.3128



50.9096, 0.3817, 0.3093



70.8102, 0.3433, 0.4075



14.4165, 0.3260, 0.3242



9.6570, 0.6052, 0.3107



0.7269, 0.5652, 0.2887

Previews

White Background



This preview shows how the Yxy color 42.8041, 0.2619, 0.2601 looks on a white background.

Color Contrast Check

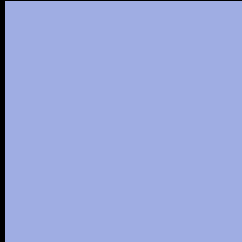
Large Text (above 18pt) WCAG AA × Fail

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 42.8041, 0.2619, 0.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

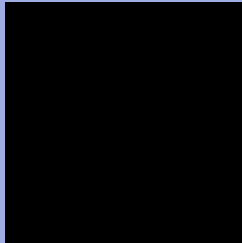
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8041, 0.2619, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 42.8041, 0.2619, 0.2601.



This preview shows how white text looks on a background with the Yxy color 42.8041, 0.2619, 0.2601.

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

42.8041, 0.2619, 0.2601

Protanopia

42.9068, 0.2626, 0.2602

Deuteranopia

42.8376, 0.2647, 0.2593



Tritanopia

42.7659, 0.2801, 0.3096

Trichromacy



Original Color

42.8041, 0.2619, 0.2601

Protanomaly

42.9068, 0.2626, 0.2602

Deuteranomaly

42.7325, 0.2639, 0.2592

Tritanomaly

42.8206, 0.2739, 0.2913

Monochromacy



Original Color

42.8041, 0.2619, 0.2601

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.6022, 0.2926, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8041, 0.2619, 0.2601 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(159, 173, 227)` looks like.

```
.text, #text, p{  
    color:rgb(159, 173, 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(159, 173, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 173, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.8041, 0.2619, 0.2601 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(159, 173, 227) }
```

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

```
.border{ border-color:rgb(159, 173, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 173, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 173, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 173, 227);  
box-shadow:4px 4px 4px 4px rgb(159, 173,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8041, 0.2619, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 173, 227) }
```

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

```
.background{ background-color: rgb(159,  
173, 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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