

Converting Colors

$Y_{xy}(42.4236, 0.2478, 0.2652)$

Have a look what the booklet for
Yxy(42.4236, 0.2478, 0.2652)
contains.

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Color

Yxy(42.4827, 0.2475, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	87B2E2
RGB	135, 178, 226
RGB Percent	53%, 70%, 89%
CMY	0.4703, 0.3020, 0.1137
CMYK	0.40, 0.21, 0.00, 0.11
HSL	212°, 61%, 71%
HSV	212°, 40%, 89%
XYZ	39.6473, 42.4827, 78.0612
YIQ	170.6150, -41.0360, 5.8120

Conversions

Conversions Part 2

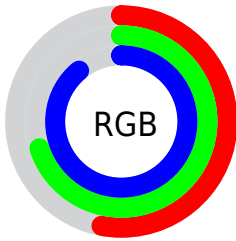
Format	Color
RYB	135, 164, 226
Decimal	8893154
CIELab	71.20, -2.28, -28.65
CIELCh	71, 28.743, 265.445
Yxy	42.4827, 0.2475, 0.2652
Android (android.graphics.Color)	4287083234 (0xFF87B2E2)
YUV	170.6150, 27.3048, -31.2344
Hunter-Lab	65.1788, -5.4838, -25.3834

Details

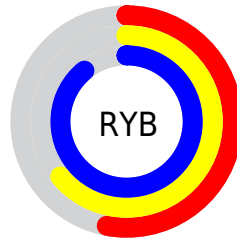
The Yxy color **42.4827, 0.2475, 0.2652** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.8202, 0.3912, 0.3848**, and the grayscale version is **40.4051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1420, 0.2737, 0.3062**, and **19.5675, 0.2293, 0.2476** is the 20% darker color. If you saturate the color by 10%, you get **36.2598, 0.2313, 0.2458**, and if you desaturate by 10%, it is **49.5199, 0.2641, 0.2834**.

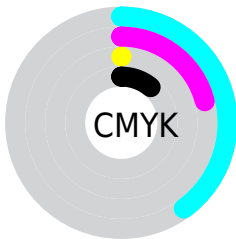
Distribution



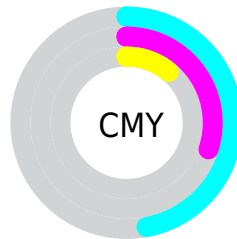
- Red (53%)
- Green (70%)
- Blue (89%)



- Red (53%)
- Yellow (64%)
- Blue (89%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4827, 0.2475, 0.2652 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 42.4827, 0.2475, 0.2652 by changing the saturation by 10% instead.

■ 42.4827, 0.2475,
0.2652

■ 42.4827, 0.2475,
0.2652

■ 356.4800, 0.2798,
0.2970

■ 29.4794, 0.2396,
0.2574

■ 78.9297, 0.2591,
0.2767

■ 19.4438, 0.2297,
0.2475

■ 103.1421, 0.2635,
0.2810

■ 11.9914, 0.2167,
0.2345

■ 131.8598, 0.2672,
0.2847

■ 6.7378, 0.1993,
0.2169

■ 165.4671, 0.2705,
0.2879

■ 3.2987, 0.1748,
0.1920

■ 204.3484, 0.2732,
0.2906

■ 1.2896, 0.1390,
0.1551

■ 248.8880, 0.2757,

■ 0.1331, 0.0244,

0.2930

0.0459

299.4704, 0.2779,
0.2951

0.0000, 0.0000,
0.0000

42.4827, 0.2475,
0.2652

42.4827, 0.2475,
0.2652

36.2598, 0.2313,
0.2458

49.5199, 0.2641,
0.2834

30.8104, 0.2159,
0.2255

57.3997, 0.2807,
0.3001

26.0969, 0.2021,
0.2047

66.1549, 0.2969,
0.3152

22.0757, 0.1903,
0.1841

75.8148, 0.3124,
0.3287

18.6962, 0.1809,
0.1644

86.4073, 0.3270,
0.3407

■ 15.9384, 0.1740,
0.1463

■ 94.8649, 0.3304,
0.3521

■ 98.2710, 0.3298,
0.3572

Harmonies

Analogous

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



42.4827, 0.2364, 0.2841



42.4827, 0.2475, 0.2652



42.4827, 0.2754, 0.2630

Triad

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



42.4827, 0.2475, 0.2652



42.4827, 0.3867, 0.3330



42.4827, 0.3062, 0.3916

Complementary

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



42.4827, 0.2475, 0.2652



51.8202, 0.3912, 0.3848

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.



42.4827, 0.3472, 0.4038



42.4827, 0.2475, 0.2652



42.4827, 0.3953, 0.3662

Square

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



42.4827, 0.2475, 0.2652



42.4827, 0.3564, 0.3008



42.4827, 0.3803, 0.3929



42.4827, 0.2686, 0.3585

Rectangle

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



42.4827, 0.2475, 0.2652



42.4827, 0.3010, 0.2701



42.4827, 0.3803, 0.3929



42.4827, 0.3201, 0.3984

Sweetspot

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



42.4843, 0.2475, 0.2652



84.7726, 0.2939, 0.3125



62.9290, 0.2807, 0.3870



17.8126, 0.2918, 0.3106



0.0000, 0.0000, 0.0000



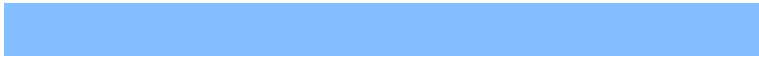
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4843, 0.2475, 0.2652



49.1630, 0.2343, 0.2496



28.1218, 0.2393, 0.2061



14.3049, 0.2981, 0.3163



9.3267, 0.1748, 0.1492



0.8247, 0.1828, 0.1781

Inverse Universe

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



36.7302, 0.3656, 0.2794



41.6598, 0.3814, 0.2698



72.0688, 0.3716, 0.4287



13.8077, 0.3218, 0.3180



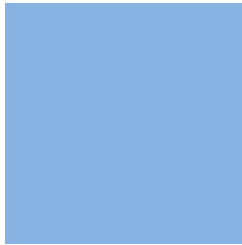
9.8496, 0.5070, 0.2567



0.7007, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 42.4827, 0.2475, 0.2652 looks on a white background.

Color Contrast Check

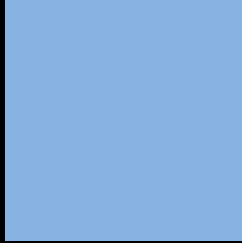
Large Text (above 18pt) WCAG AA × Fail

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 42.4827, 0.2475, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

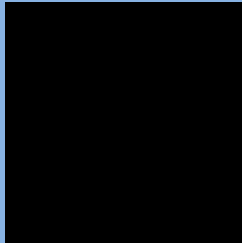
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

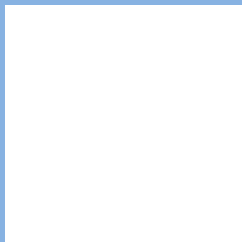
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4827, 0.2475, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 42.4827, 0.2475, 0.2652.



This preview shows how white text looks on a background with the Yxy color 42.4827, 0.2475, 0.2652.

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

42.4827, 0.2475, 0.2652

Protanopia

42.3560, 0.2664, 0.2647

Deuteranopia

42.4086, 0.2632, 0.2568



Tritanopia

42.5334, 0.2605, 0.3075

Trichromacy



Original Color

42.4827, 0.2475, 0.2652

Protanomaly

42.2752, 0.2596, 0.2651

Deuteranomaly

42.4936, 0.2572, 0.2605

Tritanomaly

42.4271, 0.2560, 0.2914

Monochromacy



Original Color

42.4827, 0.2475, 0.2652

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3028, 0.2859, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4827, 0.2475, 0.2652 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(135, 178, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 178, 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(135, 178, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 178, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.4827, 0.2475, 0.2652 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(135, 178, 226) }
```

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

```
.border{ border-color:rgb(135, 178, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 178, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 178, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 178, 226); box-shadow:4px 4px 4px 4px rgb(135, 178, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4827, 0.2475, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 178, 226) }
```

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

```
.background{ background-color: rgb(135,  
178, 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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