

Converting Colors

$Y_{xy}(37.0296, 0.2426, 0.2578)$

Have a look what the booklet for
Yxy(37.0296, 0.2426, 0.2578)
contains.

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Color

Yxy(36.9845, 0.2426, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	7CA7DA
RGB	124, 167, 218
RGB Percent	49%, 65%, 85%
CMY	0.5135, 0.3451, 0.1451
CMYK	0.43, 0.23, 0.00, 0.15
HSL	213°, 56%, 67%
HSV	213°, 43%, 85%
XYZ	34.7904, 36.9845, 71.6315
YIQ	159.9570, -41.9990, 6.7450

Conversions

Conversions Part 2

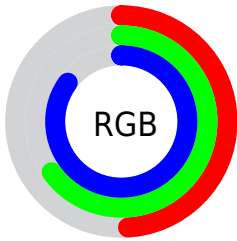
Format	Color
RYB	124, 154, 218
Decimal	8169434
CIELab	67.27, -1.24, -30.38
CIELCh	67, 30.409, 267.668
Yxy	36.9845, 0.2426, 0.2579
Android (android.graphics.Color)	4286359514 (0xFF7CA7DA)
YUV	159.9570, 28.6152, -31.5343
Hunter-Lab	60.8149, -4.3115, -27.2650

Details

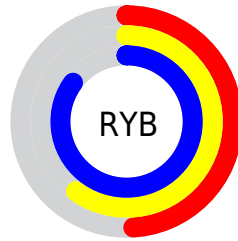
The Yxy color **36.9845, 0.2426, 0.2579** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.0423, 0.3972, 0.3901**, and the grayscale version is **35.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1659, 0.2660, 0.2921**, and **16.1710, 0.2224, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **31.3969, 0.2264, 0.2376**, and if you desaturate by 10%, it is **43.3308, 0.2593, 0.2770**.

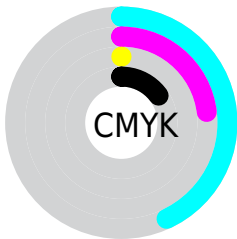
Distribution



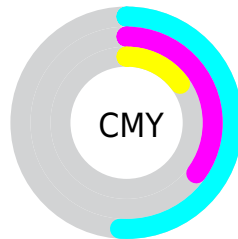
- Red (49%)
- Green (65%)
- Blue (85%)



- Red (49%)
- Yellow (60%)
- Blue (85%)



- Cyan (43%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (51%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9845, 0.2426, 0.2579 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 36.9845, 0.2426, 0.2579 by changing the saturation by 10% instead.


 36.9845, 0.2426,
0.2579


 36.9845, 0.2426,
0.2579


333.2434, 0.2780,
0.2940


 25.1955, 0.2338,
0.2489

 70.5489, 0.2555,
0.2710

 16.2228, 0.2225,
0.2373


 93.0932, 0.2603,
0.2760

 9.6819, 0.2077,
0.2221


 119.9913, 0.2644,
0.2801

 5.1886, 0.1876,
0.2013

151.6276, 0.2679,
0.2837

 2.3583, 0.1590,
0.1717

188.3866, 0.2710,
0.2868

 0.8043, 0.1164,
0.1275

230.6526, 0.2736,

 0.0000, 0.0000,

0.2895

0.0000

278.8101, 0.2759,
0.2919

■ 36.9845, 0.2426,
0.2579

■ 36.9845, 0.2426,
0.2579

■ 31.3969, 0.2264,
0.2376

■ 43.3308, 0.2593,
0.2770

■ 26.5293, 0.2112,
0.2166

■ 50.4634, 0.2760,
0.2945

■ 22.3453, 0.1977,
0.1953

■ 58.4138, 0.2923,
0.3105

■ 18.8023, 0.1864,
0.1744

■ 67.2098, 0.3080,
0.3249

■ 15.8508, 0.1776,
0.1547

■ 76.8783, 0.3229,
0.3376

■ 14.1085, 0.1728,
0.1419

■ 87.4444, 0.3368,
0.3489

■ 94.5927, 0.3353,
0.3603

■ 97.8418, 0.3346,
0.3651

Harmonies

Analogous

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



36.9845, 0.2290, 0.2769



36.9845, 0.2426, 0.2579



36.9845, 0.2743, 0.2570

Triad

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



36.9845, 0.2426, 0.2579



36.9845, 0.3964, 0.3357



36.9845, 0.3019, 0.3969

Complementary

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



36.9845, 0.2426, 0.2579



47.0423, 0.3972, 0.3901

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.



36.9845, 0.3473, 0.4121



36.9845, 0.2426, 0.2579



36.9845, 0.4038, 0.3720

Square

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



36.9845, 0.2426, 0.2579



36.9845, 0.3642, 0.3003



36.9845, 0.3851, 0.4010



36.9845, 0.2613, 0.3584

Rectangle

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



36.9845, 0.2426, 0.2579



36.9845, 0.3029, 0.2656



36.9845, 0.3851, 0.4010



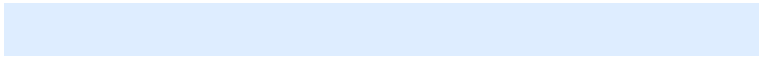
36.9845, 0.3171, 0.4050

Sweetspot

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



36.9859, 0.2426, 0.2579



83.2960, 0.2923, 0.3105



57.4918, 0.2781, 0.3895



17.2663, 0.2887, 0.3071



0.0000, 0.0000, 0.0000



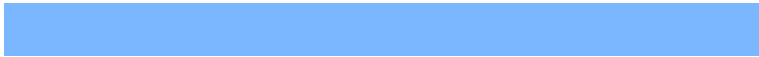
21.4041, 0.3127, 0.3290

Same Dimension

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



36.9859, 0.2426, 0.2579



45.2587, 0.2274, 0.2390



24.0161, 0.2346, 0.1967



13.5929, 0.2982, 0.3160



8.6624, 0.1735, 0.1446



0.7321, 0.1821, 0.1757

Inverse Universe

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



32.1229, 0.3725, 0.2776



38.6969, 0.3923, 0.2673



66.0240, 0.3741, 0.4356



13.1500, 0.3220, 0.3184



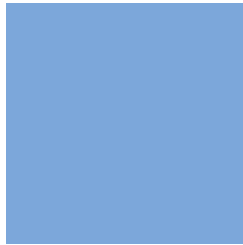
9.4982, 0.5130, 0.2600



0.6326, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 36.9845, 0.2426, 0.2579 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 36.9845, 0.2426, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

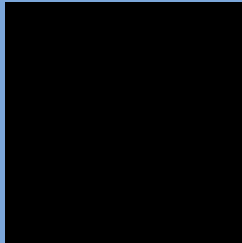
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

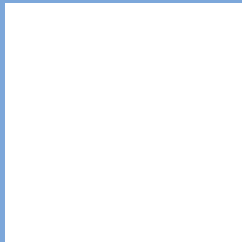
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9845, 0.2426, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 36.9845, 0.2426, 0.2579.



This preview shows how white text looks on a background with the Yxy color 36.9845, 0.2426, 0.2579.

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

36.9845, 0.2426, 0.2579

Protanopia

36.7343, 0.2611, 0.2573

Deuteranopia

36.9001, 0.2571, 0.2514



Tritanopia

37.1198, 0.2568, 0.3077

Trichromacy



Original Color

36.9845, 0.2426, 0.2579

Protanomaly

36.6761, 0.2542, 0.2577

Deuteranomaly

36.7978, 0.2510, 0.2529

Tritanomaly

37.0546, 0.2515, 0.2891

Monochromacy



Original Color

36.9845, 0.2426, 0.2579

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.7336, 0.2835, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9845, 0.2426, 0.2579 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(124, 167, 218)` looks like.

```
.text, #text, p{  
    color:rgb(124, 167, 218)  
}
```

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(124, 167, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 167, 218) }
```

Border

The CSS property to change the border of an element to Yxy 36.9845, 0.2426, 0.2579 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(124, 167, 218) }
```

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

```
.border{ border-color:rgb(124, 167, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 167, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 167, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 167, 218); box-shadow:4px 4px 4px 4px rgb(124, 167, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9845, 0.2426, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 167, 218) }
```

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

```
.background{ background-color: rgb(124,  
167, 218) }
```

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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