

Converting Colors

$Yxy(40.2786, 0.2442, 0.2584)$

Have a look what the booklet for
Yxy(40.2786, 0.2442, 0.2584)
contains.

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Color

Yxy(40.2034, 0.2439, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	83ADE2
RGB	131, 173, 226
RGB Percent	51%, 68%, 89%
CMY	0.4861, 0.3216, 0.1137
CMYK	0.42, 0.23, 0.00, 0.11
HSL	213°, 62%, 70%
HSV	213°, 42%, 89%
XYZ	38.0357, 40.2034, 77.7089
YIQ	166.4840, -42.0450, 7.5790

Conversions

Conversions Part 2

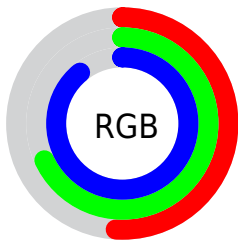
Format	Color
RYB	131, 160, 226
Decimal	8629730
CIELab	69.61, -0.57, -31.12
CIELCh	70, 31.126, 268.953
Yxy	40.2034, 0.2439, 0.2578
Android (android.graphics.Color)	4286819810 (0xFF83ADE2)
YUV	166.4840, 29.3414, -31.1195
Hunter-Lab	63.4062, -3.8832, -28.2799

Details

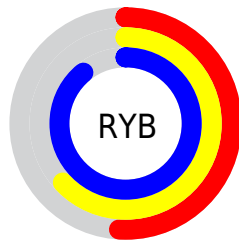
The Yxy color **40.2034, 0.2439, 0.2578** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.1113, 0.3941, 0.3903**, and the grayscale version is **38.2546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2716, 0.2708, 0.2993**, and **18.1135, 0.2252, 0.2389** is the 20% darker color. If you saturate the color by 10%, you get **33.9802, 0.2274, 0.2370**, and if you desaturate by 10%, it is **47.2801, 0.2608, 0.2773**.

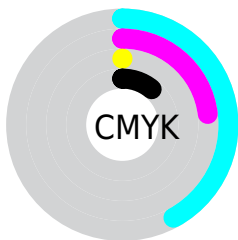
Distribution



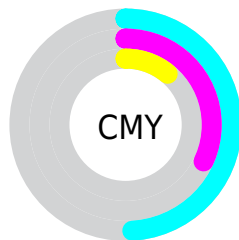
- Red (51%)
- Green (68%)
- Blue (89%)



- Red (51%)
- Yellow (63%)
- Blue (89%)



- Cyan (42%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)





- Cyan (49%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2034, 0.2439, 0.2578 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 40.2034, 0.2439, 0.2578 by changing the saturation by 10% instead.

 40.2034, 0.2439,
0.2578

 40.2034, 0.2439,
0.2578


346.9801, 0.2782,
0.2934


 27.6972, 0.2355,
0.2491


 75.4731, 0.2563,
0.2706

 18.0975, 0.2248,
0.2380


 99.0054, 0.2610,
0.2755

 11.0200, 0.2109,
0.2235


 126.9819, 0.2649,
0.2796

 6.0803, 0.1922,
0.2040

159.7869, 0.2683,
0.2831

 2.8940, 0.1659,
0.1765

197.8048, 0.2713,
0.2862

 1.0766, 0.1277,
0.1364

241.4201, 0.2739,

 0.0000, 0.0000,

0.2889

0.0000

291.0170, 0.2762,
0.2913

■ 40.2034, 0.2439,
0.2578

■ 40.2034, 0.2439,
0.2578

■ 33.9802, 0.2274,
0.2370

■ 47.2801, 0.2608,
0.2773

■ 28.5676, 0.2119,
0.2153

■ 55.2413, 0.2776,
0.2953

■ 23.9249, 0.1979,
0.1934

■ 64.1220, 0.2940,
0.3116

■ 20.0051, 0.1861,
0.1720

■ 73.9535, 0.3097,
0.3263

■ 16.7538, 0.1769,
0.1517

■ 84.7656, 0.3244,
0.3392

■ 14.5759, 0.1713,
0.1367

■ 94.3109, 0.3305,
0.3512

■ 98.2712, 0.3298,
0.3572

Harmonies

Analogous

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



40.2034, 0.2295, 0.2760



40.2034, 0.2439, 0.2578



40.2034, 0.2761, 0.2576

Triad

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



40.2034, 0.2439, 0.2578



40.2034, 0.3969, 0.3373



40.2034, 0.3000, 0.3953

Complementary

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



40.2034, 0.2439, 0.2578



52.1113, 0.3941, 0.3903

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.



40.2034, 0.3453, 0.4117



40.2034, 0.2439, 0.2578



40.2034, 0.4031, 0.3733

Square

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



40.2034, 0.2439, 0.2578



40.2034, 0.3657, 0.3018



40.2034, 0.3835, 0.4016



40.2034, 0.2601, 0.3564

Rectangle

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



40.2034, 0.2439, 0.2578



40.2034, 0.3049, 0.2666



40.2034, 0.3835, 0.4016



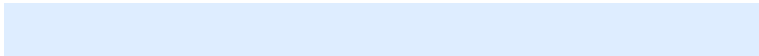
40.2034, 0.3151, 0.4038

Sweetspot

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



40.2049, 0.2439, 0.2578



83.0024, 0.2923, 0.3100



62.6536, 0.2779, 0.3857



17.1941, 0.2887, 0.3065



0.0000, 0.0000, 0.0000



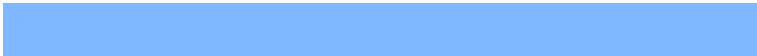
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2049, 0.2439, 0.2578



45.9800, 0.2301, 0.2406



26.9516, 0.2379, 0.2005



14.2349, 0.2981, 0.3156



8.5434, 0.1721, 0.1395



0.7685, 0.1804, 0.1694

Inverse Universe

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



35.4301, 0.3722, 0.2804



40.0217, 0.3900, 0.2713



71.4470, 0.3716, 0.4338



13.8007, 0.3223, 0.3187



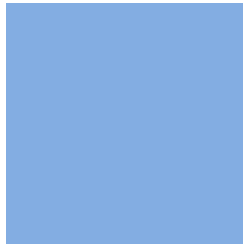
9.7705, 0.5197, 0.2637



0.6950, 0.4814, 0.2426

Previews

White Background



This preview shows how the Yxy color 40.2034, 0.2439, 0.2578 looks on a white background.

Color Contrast Check

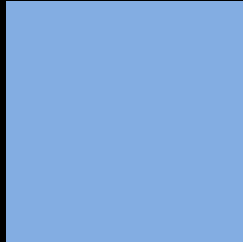
Large Text (above 18pt) WCAG AA × Fail

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 40.2034, 0.2439, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

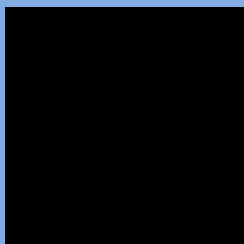
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2034, 0.2439, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 40.2034, 0.2439, 0.2578.



This preview shows how white text looks on a background with the Yxy color 40.2034, 0.2439, 0.2578.

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

40.2034, 0.2439, 0.2578

Protanopia

40.2478, 0.2615, 0.2585

Deuteranopia

40.0535, 0.2574, 0.2514



Tritanopia

40.2280, 0.2589, 0.3084

Trichromacy



Original Color

40.2034, 0.2439, 0.2578

Protanomaly

40.1882, 0.2548, 0.2589

Deuteranomaly

40.0330, 0.2522, 0.2530

Tritanomaly

40.2120, 0.2531, 0.2891

Monochromacy



Original Color

40.2034, 0.2439, 0.2578

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.7791, 0.2837, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2034, 0.2439, 0.2578 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(131, 173, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 173, 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(131, 173, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 173, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.2034, 0.2439, 0.2578 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(131, 173, 226) }
```

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

```
.border{ border-color:rgb(131, 173, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 173, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 173, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 173, 226); box-shadow:4px 4px 4px 4px rgb(131, 173, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2034, 0.2439, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 173, 226) }
```

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

```
.background{ background-color: rgb(131,  
173, 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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