

Converting Colors

$Yxy(41.0678, 0.2394, 0.2579)$

Have a look what the booklet for
Yxy(41.0678, 0.2394, 0.2579)
contains.

Yxy(41.0678, 0.2394, 0.2579)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.0678, 0.2394, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	7DB0E5
RGB	125, 176, 229
RGB Percent	49%, 69%, 90%
CMY	0.5099, 0.3098, 0.1019
CMYK	0.45, 0.23, 0.00, 0.10
HSL	211°, 67%, 69%
HSV	211°, 45%, 90%
XYZ	38.1219, 41.0678, 80.0496
YIQ	166.7930, -47.4090, 5.6710

Conversions

Conversions Part 2

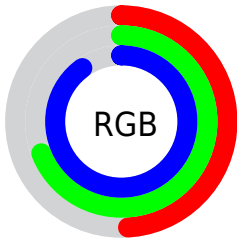
Format	Color
R_{YB}	125, 159, 229
Decimal	8237285
CIE _{Lab}	70.22, -2.92, -31.85
CIE _{LCh}	70, 31.980, 264.767
Yxy	41.0678, 0.2394, 0.2579
Android (android.graphics.Color)	4286427365 (0xFF7DB0E5)
YUV	166.7930, 30.6681, -36.6525
Hunter-Lab	64.0842, -5.9626, -29.2021

Details

The Yxy color **41.0678, 0.2394, 0.2579** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.9639, 0.4051, 0.3898**, and the grayscale version is **38.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3169, 0.2683, 0.3025**, and **18.6614, 0.2196, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **35.1605, 0.2238, 0.2387**, and if you desaturate by 10%, it is **47.7685, 0.2557, 0.2761**.

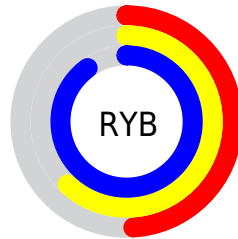
Distribution



Red (49%)

Green (69%)

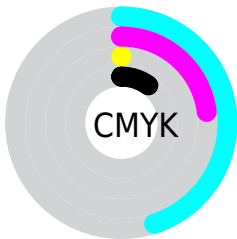
Blue (90%)



Red (49%)

Yellow (62%)

Blue (90%)

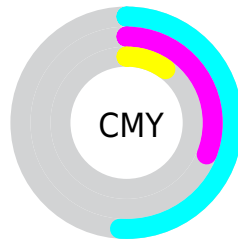


Cyan (45%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (51%)

Magenta (31%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0678, 0.2394, 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 41.0678, 0.2394, 0.2579 by changing the saturation by 10% instead.

■ 41.0678, 0.2394,
0.2579

■ 41.0678, 0.2394,
0.2579

350.6039, 0.2757,
0.2934

■ 28.3721, 0.2306,
0.2492

■ 76.7868, 0.2524,
0.2707

■ 18.6063, 0.2195,
0.2381

■ 100.5789, 0.2574,
0.2756

■ 11.3862, 0.2051,
0.2237

■ 128.8385, 0.2616,
0.2797

■ 6.3272, 0.1858,
0.2043

161.9501, 0.2652,
0.2832

■ 3.0450, 0.1591,
0.1771

200.2980, 0.2683,
0.2863

■ 1.1553, 0.1209,
0.1376

244.2667, 0.2711,

■ 0.0247, 0.0000,

0.2890

0.0084

294.2405, 0.2735,
0.2913

0.0000, 0.0000,
0.0000

41.0678, 0.2394,
0.2579

41.0678, 0.2394,
0.2579

35.1605, 0.2238,
0.2387

47.7685, 0.2557,
0.2761

30.0046, 0.2094,
0.2188

55.2926, 0.2722,
0.2929

25.5599, 0.1968,
0.1987

63.6737, 0.2885,
0.3083

21.7796, 0.1865,
0.1791

72.9421, 0.3044,
0.3221

18.6077, 0.1787,
0.1605

83.1262, 0.3195,
0.3345

■ 17.3244, 0.1757,
0.1523

■ 92.8289, 0.3289,
0.3457

■ 98.4374, 0.3280,
0.3542

Harmonies

Analogous

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



41.0678, 0.2275, 0.2789



41.0678, 0.2394, 0.2579



41.0678, 0.2699, 0.2553

Triad

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



41.0678, 0.2394, 0.2579



41.0678, 0.3956, 0.3321



41.0678, 0.3061, 0.4007

Complementary

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



41.0678, 0.2394, 0.2579



49.9639, 0.4051, 0.3898

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.



41.0678, 0.3520, 0.4135



41.0678, 0.2394, 0.2579



41.0678, 0.4057, 0.3691

Square

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



41.0678, 0.2394, 0.2579



41.0678, 0.3609, 0.2967



41.0678, 0.3890, 0.3998



41.0678, 0.2639, 0.3633

Rectangle

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



41.0678, 0.2394, 0.2579



41.0678, 0.2983, 0.2630



41.0678, 0.3890, 0.3998



41.0678, 0.3216, 0.4081

Sweetspot

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



41.0693, 0.2394, 0.2579



82.7881, 0.2907, 0.3102



63.5727, 0.2784, 0.3986



17.1958, 0.2872, 0.3071



0.0000, 0.0000, 0.0000



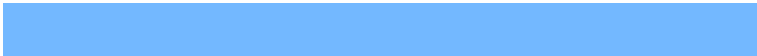
21.4041, 0.3127, 0.3290

Same Dimension

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



41.0693, 0.2394, 0.2579



44.9463, 0.2240, 0.2389



24.6733, 0.2269, 0.1870



15.0489, 0.2981, 0.3167



10.1446, 0.1764, 0.1551



0.9352, 0.1839, 0.1818

Inverse Universe

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



34.4523, 0.3734, 0.2709



36.9068, 0.3936, 0.2597



74.1803, 0.3799, 0.4401



14.4853, 0.3216, 0.3175



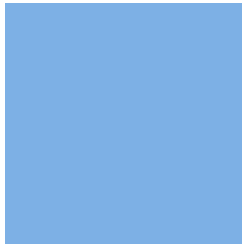
10.2218, 0.4994, 0.2525



0.7741, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 41.0678, 0.2394, 0.2579 looks on a white background.

Color Contrast Check

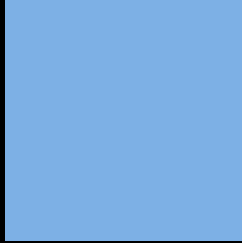
Large Text (above 18pt) WCAG AA × Fail

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 41.0678, 0.2394, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

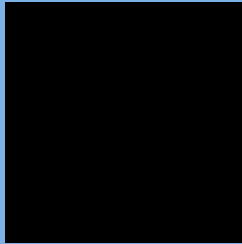
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

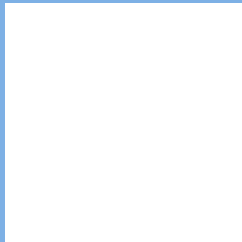
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0678, 0.2394, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 41.0678, 0.2394, 0.2579.

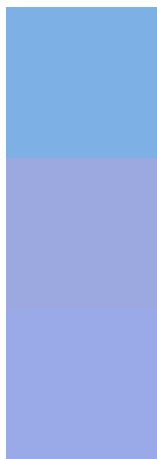


This preview shows how white text looks on a background with the Yxy color 41.0678, 0.2394, 0.2579.

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

41.0678, 0.2394, 0.2579

Protanopia

40.8257, 0.2611, 0.2577

Deuteranopia

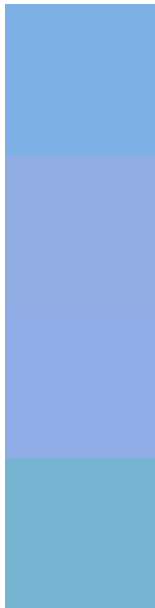
41.0155, 0.2553, 0.2497



Tritanopia

41.1320, 0.2528, 0.3070

Trichromacy



Original Color

41.0678, 0.2394, 0.2579

Protanomaly

41.0158, 0.2527, 0.2581

Deuteranomaly

41.0579, 0.2490, 0.2533

Tritanomaly

41.1679, 0.2478, 0.2879

Monochromacy



Original Color

41.0678, 0.2394, 0.2579

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1426, 0.2815, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0678, 0.2394, 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(125, 176, 229)` looks like.

```
.text, #text, p{  
    color:rgb(125, 176, 229)  
}
```

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(125, 176, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 176, 229) }
```

Border

The CSS property to change the border of an element to Yxy 41.0678, 0.2394, 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(125, 176, 229) }
```

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

```
.border{ border-color:rgb(125, 176, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 176, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 176, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 176, 229); box-shadow:4px 4px 4px 4px rgb(125, 176, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0678, 0.2394, 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(125, 176, 229) }
```

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

```
.background{ background-color: rgb(125,  
176, 229) }
```

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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