

Converting Colors

$Y_{xy}(40.7495, 0.2428, 0.2554)$

Have a look what the booklet for
Yxy(40.7495, 0.2428, 0.2554)
contains.

Yxy(40.8348, 0.2431, 0.2559)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8348, 0.2431, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	84AEE5
RGB	132, 174, 229
RGB Percent	52%, 68%, 90%
CMY	0.4823, 0.3176, 0.1021
CMYK	0.42, 0.24, 0.00, 0.10
HSL	214°, 65%, 71%
HSV	214°, 42%, 90%
XYZ	38.7923, 40.8348, 79.9462
YIQ	167.7120, -42.6870, 8.2010

Conversions

Conversions Part 2

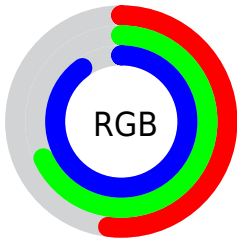
Format	Color
R _Y B	132, 161, 229
Decimal	8695525
CIE Lab	70.06, -0.06, -32.05
CIE LCh	70, 32.051, 269.886
Yxy	40.8348, 0.2431, 0.2559
Android (android.graphics.Color)	4286885605 (0xFF84AEE5)
YUV	167.7120, 30.2150, -31.3194
Hunter-Lab	63.9021, -3.4689, -29.4446

Details

The Yxy color **40.8348, 0.2431, 0.2559** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.8513, 0.3946, 0.3918**, and the grayscale version is **38.8757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9500, 0.2714, 0.3005**, and **18.5140, 0.2244, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **34.4126, 0.2265, 0.2347**, and if you desaturate by 10%, it is **48.1498, 0.2601, 0.2758**.

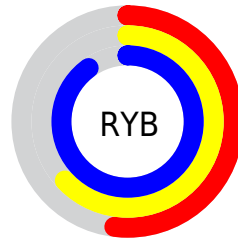
Distribution



Red (52%)

Green (68%)

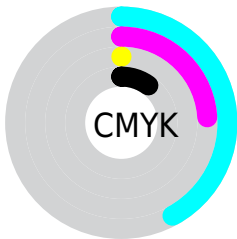
Blue (90%)



Red (52%)

Yellow (63%)

Blue (90%)

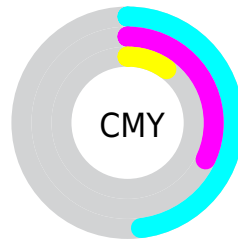


Cyan (42%)

Magenta (24%)

Yellow (0%)

Black (10%)



Cyan (48%)

Magenta (32%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8348, 0.2431, 0.2559 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 40.8348, 0.2431, 0.2559 by changing the saturation by 10% instead.

■ 40.8348, 0.2431,
0.2559

■ 40.8348, 0.2431,
0.2559

■ 349.6297, 0.2777,
0.2923

■ 28.1900, 0.2347,
0.2470

■ 76.4331, 0.2556,
0.2690

■ 18.4690, 0.2240,
0.2358

■ 100.1553, 0.2603,
0.2739

■ 11.2872, 0.2101,
0.2212

■ 128.3389, 0.2643,
0.2781

■ 6.2603, 0.1914,
0.2016

■ 161.3681, 0.2677,
0.2818

■ 3.0040, 0.1654,
0.1742

■ 199.6274, 0.2707,
0.2849

■ 1.1338, 0.1278,
0.1347

■ 243.5012, 0.2733,

■ 0.0066, 0.0016,

0.2877

0.0023

293.3738, 0.2757,
0.2901

0.0000, 0.0000,
0.0000

40.8348, 0.2431,
0.2559

40.8348, 0.2431,
0.2559

34.4126, 0.2265,
0.2347

48.1498, 0.2601,
0.2758

28.8383, 0.2109,
0.2127

56.3906, 0.2770,
0.2942

24.0689, 0.1969,
0.1904

65.5937, 0.2935,
0.3108

20.0550, 0.1851,
0.1687

75.7922, 0.3092,
0.3257

16.7392, 0.1759,
0.1483

87.0174, 0.3240,
0.3390

■ 14.6117, 0.1705,
0.1338

■ 96.4661, 0.3283,
0.3513

■ 98.4357, 0.3280,
0.3542

Harmonies

Analogous

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



40.8348, 0.2278, 0.2738



40.8348, 0.2431, 0.2559



40.8348, 0.2765, 0.2564

Triad

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



40.8348, 0.2431, 0.2559



40.8348, 0.3996, 0.3385



40.8348, 0.2982, 0.3961

Complementary

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



40.8348, 0.2431, 0.2559



53.8513, 0.3946, 0.3918

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.



40.8348, 0.3445, 0.4137



40.8348, 0.2431, 0.2559



40.8348, 0.4051, 0.3752

Square

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



40.8348, 0.2431, 0.2559



40.8348, 0.3683, 0.3022



40.8348, 0.3841, 0.4039



40.8348, 0.2577, 0.3556

Rectangle

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



40.8348, 0.2431, 0.2559



40.8348, 0.3062, 0.2659



40.8348, 0.3841, 0.4039



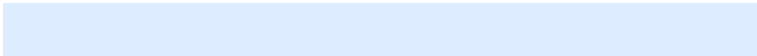
40.8348, 0.3136, 0.4051

Sweetspot

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



40.8363, 0.2431, 0.2559



82.8364, 0.2923, 0.3097



64.5165, 0.2767, 0.3840



17.1533, 0.2887, 0.3061



0.0000, 0.0000, 0.0000



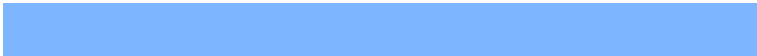
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8363, 0.2431, 0.2559



44.7362, 0.2282, 0.2370



27.6047, 0.2383, 0.1997



14.9088, 0.2981, 0.3153



8.5857, 0.1713, 0.1367



0.8162, 0.1792, 0.1651

Inverse Universe

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



36.2152, 0.3739, 0.2809



39.2621, 0.3936, 0.2714



73.3006, 0.3708, 0.4352



14.4711, 0.3225, 0.3189



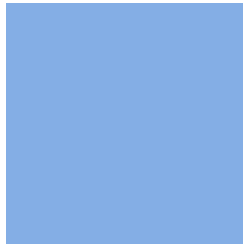
10.0644, 0.5236, 0.2658



0.7621, 0.4868, 0.2455

Previews

White Background



This preview shows how the Yxy color 40.8348, 0.2431, 0.2559 looks on a white background.

Color Contrast Check

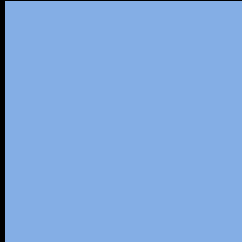
Large Text (above 18pt) WCAG AA × Fail

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 40.8348, 0.2431, 0.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

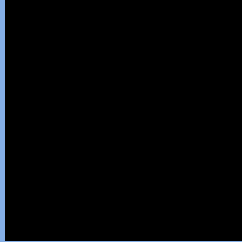
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

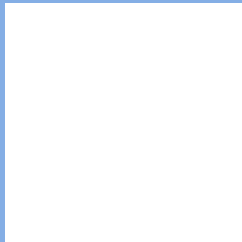
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8348, 0.2431, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 40.8348, 0.2431, 0.2559.



This preview shows how white text looks on a background with the Yxy color 40.8348, 0.2431, 0.2559.

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

40.8348, 0.2431, 0.2559

Protanopia

40.7807, 0.2597, 0.2565

Deuteranopia

40.5885, 0.2558, 0.2495



Tritanopia

40.7936, 0.2585, 0.3071

Trichromacy



Original Color

40.8348, 0.2431, 0.2559

Protanomaly

40.8199, 0.2538, 0.2570

Deuteranomaly

40.5736, 0.2506, 0.2510

Tritanomaly

40.7814, 0.2528, 0.2880

Monochromacy



Original Color

40.8348, 0.2431, 0.2559

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.4357, 0.2839, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8348, 0.2431, 0.2559 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(132, 174, 229)` looks like.

```
.text, #text, p{  
    color:rgb(132, 174, 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(132, 174, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 174, 229) }
```

Border

The CSS property to change the border of an element to Yxy 40.8348, 0.2431, 0.2559 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(132, 174, 229) }
```

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

```
.border{ border-color:rgb(132, 174, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 174, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 174, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 174, 229);  
box-shadow:4px 4px 4px 4px rgb(132, 174,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8348, 0.2431, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 174, 229) }
```

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

```
.background{ background-color: rgb(132,  
174, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor