

Converting Colors

Yxy(43.6618, 0.2407, 0.2553)

Have a look what the booklet for
Yxy(43.6618, 0.2407, 0.2553)
contains.

Yxy(43.7435, 0.2408, 0.2552)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.7435, 0.2408, 0.2552)

Conversions

Conversions Part 1

Format	Color
Hex	85B4ED
RGB	133, 180, 237
RGB Percent	52%, 71%, 93%
CMY	0.4786, 0.2941, 0.0706
CMYK	0.44, 0.24, 0.00, 0.07
HSL	213°, 74%, 73%
HSV	213°, 44%, 93%
XYZ	41.2752, 43.7435, 86.3900
YIQ	172.4450, -46.3090, 7.7630

Conversions

Conversions Part 2

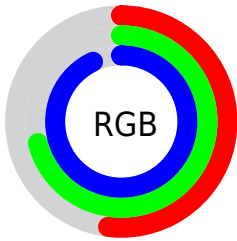
Format	Color
RYB	133, 165, 237
Decimal	8762605
CIELab	72.06, -0.92, -33.33
CIELCh	72, 33.344, 268.419
Yxy	43.7435, 0.2408, 0.2552
Android (android.graphics.Color)	4286952685 (0xFF85B4ED)
YUV	172.4450, 31.8256, -34.5933
Hunter-Lab	66.1389, -4.3467, -31.1468

Details

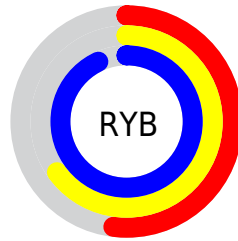
The Yxy color **43.7435, 0.2408, 0.2552** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5033, 0.3994, 0.3921**, and the grayscale version is **41.3423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1581, 0.2733, 0.3083**, and **20.0927, 0.2217, 0.2345** is the 20% darker color. If you saturate the color by 10%, you get **37.0305, 0.2245, 0.2345**, and if you desaturate by 10%, it is **51.3858, 0.2576, 0.2747**.

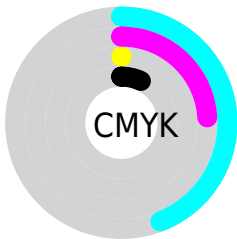
Distribution



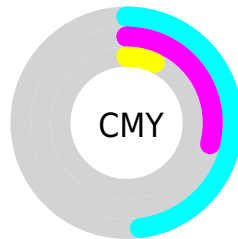
- Red (52%)
- Green (71%)
- Blue (93%)



- Red (52%)
- Yellow (65%)
- Blue (93%)



- Cyan (44%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7435, 0.2408, 0.2552 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 43.7435, 0.2408, 0.2552 by changing the saturation by 10% instead.


 43.7435, 0.2408,
0.2552

 43.7435, 0.2408,
0.2552


361.6605, 0.2761,
0.2915


 30.4689, 0.2323,
0.2465


 80.8316, 0.2534,
0.2682

 20.1948, 0.2217,
0.2355


 105.4140, 0.2582,
0.2731

 12.5367, 0.2080,
0.2213


 134.5343, 0.2623,
0.2773

 7.1103, 0.1898,
0.2024

168.5771, 0.2658,
0.2810

 3.5312, 0.1649,
0.1764

207.9268, 0.2689,
0.2841

 1.4149, 0.1295,
0.1394

252.9676, 0.2716,

 0.2277, 0.0477,

0.2869

0.0560

304.0841, 0.2739,
0.2893

0.0000, 0.0000,
0.0000

43.7435, 0.2408,
0.2552

43.7435, 0.2408,
0.2552

37.0305, 0.2245,
0.2345

51.3858, 0.2576,
0.2747

31.1990, 0.2094,
0.2131

59.9924, 0.2744,
0.2927

26.2031, 0.1959,
0.1916

69.6020, 0.2909,
0.3090

21.9896, 0.1848,
0.1706

80.2494, 0.3068,
0.3237

18.4960, 0.1762,
0.1508

91.9679, 0.3218,
0.3368

■ 16.6676, 0.1721,
0.1395

■ 98.8946, 0.3232,
0.3464

Harmonies

Analogous

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



43.7435, 0.2263, 0.2742



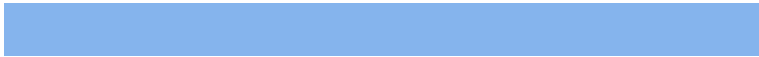
43.7435, 0.2408, 0.2552



43.7435, 0.2739, 0.2548

Triad

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



43.7435, 0.2408, 0.2552



43.7435, 0.4001, 0.3367



43.7435, 0.3002, 0.3988

Complementary

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



43.7435, 0.2408, 0.2552



56.5033, 0.3994, 0.3921

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.



43.7435, 0.3472, 0.4153



43.7435, 0.2408, 0.2552



43.7435, 0.4070, 0.3742

Square

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



43.7435, 0.2408, 0.2552



43.7435, 0.3672, 0.3001



43.7435, 0.3868, 0.4040



43.7435, 0.2585, 0.3584

Rectangle

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



43.7435, 0.2408, 0.2552



43.7435, 0.3037, 0.2640



43.7435, 0.3868, 0.4040



43.7435, 0.3159, 0.4075

Sweetspot

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



43.7451, 0.2408, 0.2552



83.2025, 0.2923, 0.3103



69.2036, 0.2775, 0.3912



17.2433, 0.2887, 0.3069



0.0000, 0.0000, 0.0000



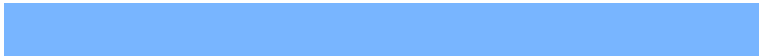
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7451, 0.2408, 0.2552



44.2375, 0.2256, 0.2360



28.1490, 0.2324, 0.1931



15.6709, 0.2980, 0.3158



9.3542, 0.1729, 0.1425



0.9244, 0.1803, 0.1689

Inverse Universe

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



38.0650, 0.3751, 0.2770



37.9918, 0.3954, 0.2669



79.6761, 0.3754, 0.4380



15.1673, 0.3222, 0.3184



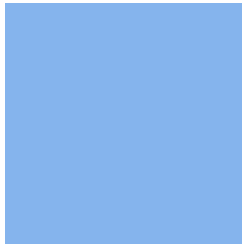
10.4371, 0.5158, 0.2615



0.8387, 0.4820, 0.2429

Previews

White Background



This preview shows how the Yxy color 43.7435, 0.2408, 0.2552 looks on a white background.

Color Contrast Check

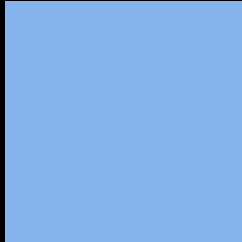
Large Text (above 18pt) WCAG AA × Fail

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 43.7435, 0.2408, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

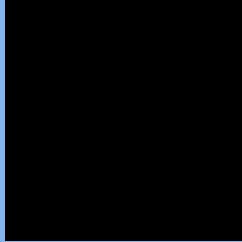
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

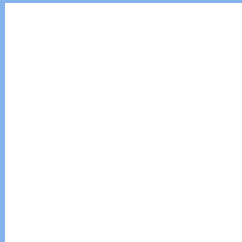
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.7435, 0.2408, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 43.7435, 0.2408, 0.2552.



This preview shows how white text looks on a background with the Yxy color 43.7435, 0.2408, 0.2552.

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

43.7435, 0.2408, 0.2552

Protanopia

43.5719, 0.2597, 0.2560

Deuteranopia

43.7143, 0.2547, 0.2493



Tritanopia

43.5930, 0.2556, 0.3062

Trichromacy



Original Color

43.7435, 0.2408, 0.2552

Protanomaly

43.4752, 0.2521, 0.2551

Deuteranomaly

43.6133, 0.2492, 0.2507

Tritanomaly

43.6993, 0.2501, 0.2864

Monochromacy



Original Color

43.7435, 0.2408, 0.2552

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.9146, 0.2823, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7435, 0.2408, 0.2552 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(133, 180, 237)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 237)  
}
```

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(133, 180, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 237) }
```

Border

The CSS property to change the border of an element to Yxy 43.7435, 0.2408, 0.2552 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(133, 180, 237) }
```

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

```
.border{ border-color:rgb(133, 180, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 237);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7435, 0.2408, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 237) }
```

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

```
.background{ background-color: rgb(133,  
180, 237) }
```

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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