

Converting Colors

$Yxy(41.9442, 0.2492, 0.2733)$

Have a look what the booklet for
Yxy(41.9442, 0.2492, 0.2733)
contains.

Yxy(41.8608, 0.2495, 0.2733)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.8608, 0.2495, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	84B2DB
RGB	132, 178, 219
RGB Percent	52%, 70%, 86%
CMY	0.4826, 0.3019, 0.1411
CMYK	0.40, 0.19, 0.00, 0.14
HSL	208°, 55%, 69%
HSV	208°, 40%, 86%
XYZ	38.2154, 41.8608, 73.0917
YIQ	168.9200, -40.5770, 2.9990

Conversions

Conversions Part 2

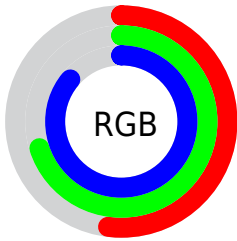
Format	Color
RYB	132, 162, 219
Decimal	8696539
CIELab	70.77, -4.99, -25.51
CIELCh	71, 25.991, 258.926
Yxy	41.8608, 0.2495, 0.2733
Android (android.graphics.Color)	4286886619 (0xFF84B2DB)
YUV	168.9200, 24.6894, -32.3788
Hunter-Lab	64.6999, -7.7928, -21.6902

Details

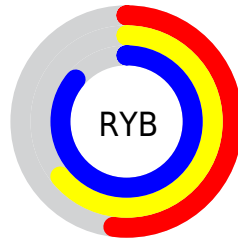
The Yxy color **41.8608, 0.2495, 0.2733** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.5868, 0.3923, 0.3783**, and the grayscale version is **39.5201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7570, 0.2720, 0.3061**, and **18.9673, 0.2320, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **36.3285, 0.2339, 0.2562**, and if you desaturate by 10%, it is **48.0753, 0.2656, 0.2893**.

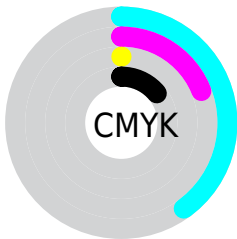
Distribution



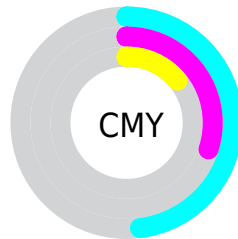
- Red (52%)
- Green (70%)
- Blue (86%)



- Red (52%)
- Yellow (64%)
- Blue (86%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8608, 0.2495, 0.2733 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 41.8608, 0.2495, 0.2733 by changing the saturation by 10% instead.

■ 41.8608, 0.2495,
0.2733

■ 41.8608, 0.2495,
0.2733

■ 353.9056, 0.2809,
0.3014

■ 28.9923, 0.2418,
0.2663

■ 77.9889, 0.2608,
0.2835

■ 19.0750, 0.2320,
0.2573

■ 102.0173, 0.2651,
0.2874

■ 11.7245, 0.2193,
0.2454

■ 130.5345, 0.2687,
0.2906

■ 6.5564, 0.2020,
0.2291

■ 163.9248, 0.2718,
0.2934

■ 3.1862, 0.1775,
0.2055

■ 202.5727, 0.2746,
0.2958

■ 1.2297, 0.1409,
0.1693

■ 246.8625, 0.2769,

■ 0.0858, 0.0000,

0.2979

0.0376

297.1787, 0.2790,
0.2998

0.0000, 0.0000,
0.0000

41.8608, 0.2495,
0.2733

41.8608, 0.2495,
0.2733

36.3285, 0.2339,
0.2562

48.0753, 0.2656,
0.2893

31.4435, 0.2194,
0.2383

54.9951, 0.2817,
0.3040

27.1744, 0.2063,
0.2199

62.6478, 0.2977,
0.3173

23.4842, 0.1951,
0.2014

71.0580, 0.3131,
0.3293

20.3302, 0.1863,
0.1834

80.2490, 0.3278,
0.3399

■ 17.6436, 0.1796,
0.1662

■ 88.6264, 0.3360,
0.3497

■ 17.5831, 0.1794,
0.1658

■ 94.8670, 0.3346,
0.3596

■ 97.8952, 0.3339,
0.3641

Harmonies

Analogous

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



41.8608, 0.2429, 0.2940



41.8608, 0.2495, 0.2733



41.8608, 0.2721, 0.2677

Triad

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



41.8608, 0.2495, 0.2733



41.8608, 0.3753, 0.3262



41.8608, 0.3152, 0.3898

Complementary

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



41.8608, 0.2495, 0.2733



46.5868, 0.3923, 0.3783

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.



41.8608, 0.3518, 0.3963



41.8608, 0.2495, 0.2733



41.8608, 0.3879, 0.3570

Square

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



41.8608, 0.2495, 0.2733



41.8608, 0.3448, 0.2976



41.8608, 0.3789, 0.3831



41.8608, 0.2794, 0.3633

Rectangle

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



41.8608, 0.2495, 0.2733



41.8608, 0.2942, 0.2722



41.8608, 0.3789, 0.3831



41.8608, 0.3279, 0.3944

Sweetspot

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



41.8624, 0.2495, 0.2733



85.8014, 0.2940, 0.3143



58.5705, 0.2836, 0.3923



18.0545, 0.2919, 0.3126



0.0000, 0.0000, 0.0000



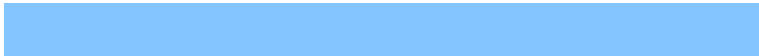
21.4041, 0.3127, 0.3290

Same Dimension

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



41.8624, 0.2495, 0.2733



52.2765, 0.2360, 0.2586



27.2976, 0.2400, 0.2118



13.7522, 0.2982, 0.3177



10.6459, 0.1801, 0.1684



0.8618, 0.1880, 0.1966

Inverse Universe

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



34.7616, 0.3591, 0.2744



41.9741, 0.3739, 0.2629



65.8944, 0.3732, 0.4242



13.1661, 0.3209, 0.3167



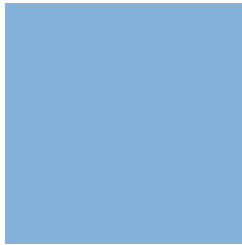
9.6985, 0.4826, 0.2432



0.6457, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 41.8608, 0.2495, 0.2733 looks on a white background.

Color Contrast Check

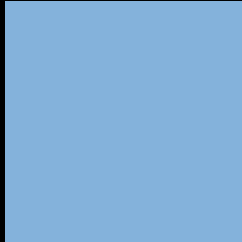
Large Text (above 18pt) WCAG AA × Fail

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 41.8608, 0.2495, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

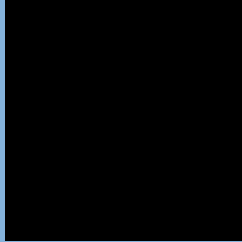
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8608, 0.2495, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 41.8608, 0.2495, 0.2733.



This preview shows how white text looks on a background with the Yxy color 41.8608, 0.2495, 0.2733.

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

41.8608, 0.2495, 0.2733

Protanopia

41.6622, 0.2724, 0.2728

Deuteranopia

41.4889, 0.2689, 0.2622



Tritanopia

41.9227, 0.2596, 0.3074

Trichromacy



Original Color

41.8608, 0.2495, 0.2733

Protanomaly

41.8093, 0.2633, 0.2732

Deuteranomaly

41.3478, 0.2612, 0.2659

Tritanomaly

42.0447, 0.2559, 0.2952

Monochromacy



Original Color

41.8608, 0.2495, 0.2733

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.1608, 0.2871, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8608, 0.2495, 0.2733 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, 178, 219)` looks like.

```
.text, #text, p{  
    color:rgb(132, 178, 219)  
}
```

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, 178, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 178, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.8608, 0.2495, 0.2733 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, 178, 219) }
```

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

```
.border{ border-color:rgb(132, 178, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 178, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 178, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 178, 219);  
box-shadow:4px 4px 4px 4px rgb(132, 178,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8608, 0.2495, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 178, 219) }
```

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

```
.background{ background-color: rgb(132,  
178, 219) }
```

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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