

Converting Colors

$Y_{xy}(41.3739, 0.2276, 0.2789)$

Have a look what the booklet for
Yxy(41.3739, 0.2276, 0.2789)
contains.

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Color

Yxy(41.3739, 0.2276, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	56B8DB
RGB	86, 184, 219
RGB Percent	34%, 72%, 86%
CMY	0.6626, 0.2784, 0.1413
CMYK	0.61, 0.16, 0.00, 0.14
HSL	196°, 65%, 60%
HSV	196°, 61%, 86%
XYZ	33.7637, 41.3739, 73.2091
YIQ	158.6880, -69.6430, -9.8910

Conversions

Conversions Part 2

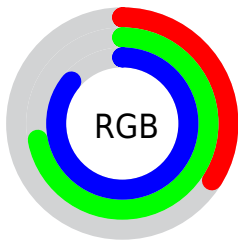
Format	Color
RYB	86, 142, 219
Decimal	5683419
CIELab	70.44, -18.46, -26.18
CIELCh	70, 32.037, 234.812
Yxy	41.3739, 0.2276, 0.2789
Android (android.graphics.Color)	4283873499 (0xFF56B8DB)
YUV	158.6880, 29.7338, -63.7474
Hunter-Lab	64.3225, -18.8676, -22.4555

Details

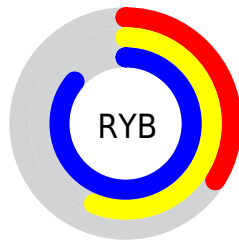
The Yxy color **41.3739, 0.2276, 0.2789** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.4056, 0.4738, 0.3693**, and the grayscale version is **34.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7432, 0.2520, 0.3117**, and **18.9129, 0.2066, 0.2637** is the 20% darker color. If you saturate the color by 10%, you get **38.1450, 0.2178, 0.2691**, and if you desaturate by 10%, it is **45.0217, 0.2391, 0.2885**.

Distribution



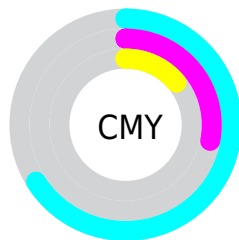
- Red (34%)
- Green (72%)
- Blue (86%)



- Red (34%)
- Yellow (56%)
- Blue (86%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)




- Cyan (66%)
- Magenta (28%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3739, 0.2276, 0.2789 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 41.3739, 0.2276, 0.2789 by changing the saturation by 10% instead.


 41.3739, 0.2276,
0.2789


 41.3739, 0.2276,
0.2789


351.8809, 0.2694,
0.3051

 28.6114, 0.2176,
0.2721


 77.2512, 0.2425,
0.2886


 18.7870, 0.2049,
0.2633


 101.1347, 0.2482,
0.2922

 11.5165, 0.1887,
0.2515


 129.4940, 0.2530,
0.2952

 6.4154, 0.1671,
0.2350

 162.7134, 0.2572,
0.2978

 3.0993, 0.1375,
0.2105

201.1775, 0.2608,
0.3000

 1.1838, 0.0944,
0.1725

245.2704, 0.2640,

 0.0484, 0.0000,

0.3019

295.3768, 0.2668,
0.3036

0.0215

0.0000, 0.0000,
0.0000

41.3739, 0.2276,
0.2789

41.3739, 0.2276,
0.2789

38.1450, 0.2178,
0.2691

45.0217, 0.2391,
0.2885

35.2991, 0.2099,
0.2592

49.1112, 0.2521,
0.2976

32.8006, 0.2041,
0.2493

53.6688, 0.2662,
0.3063

30.7326, 0.2001,
0.2403

58.7169, 0.2810,
0.3144

64.2766, 0.2962,
0.3218

70.3673, 0.3116,
0.3285

77.0076, 0.3269,
0.3346

83.0173, 0.3374,
0.3402

86.2786, 0.3366,
0.3458

Harmonies

Analogous

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



41.3739, 0.2360, 0.3169



41.3739, 0.2276, 0.2789



41.3739, 0.2395, 0.2579

Triad

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



41.3739, 0.2276, 0.2789



41.3739, 0.3609, 0.2968



41.3739, 0.3519, 0.4134

Complementary

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



41.3739, 0.2276, 0.2789



29.4056, 0.4738, 0.3693

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.



41.3739, 0.3889, 0.3998



41.3739, 0.2276, 0.2789



41.3739, 0.3955, 0.3321

Square

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



41.3739, 0.2276, 0.2789



41.3739, 0.3140, 0.2695



41.3739, 0.4057, 0.3692



41.3739, 0.3060, 0.4006

Rectangle

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



41.3739, 0.2276, 0.2789



41.3739, 0.2579, 0.2543



41.3739, 0.4057, 0.3692



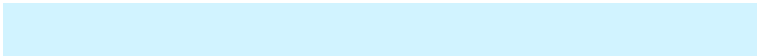
41.3739, 0.3658, 0.4115

Sweetspot

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



41.3754, 0.2276, 0.2789



84.8460, 0.2849, 0.3163



53.9704, 0.2884, 0.4788



17.6854, 0.2804, 0.3141



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.



41.3754, 0.2276, 0.2789



52.6356, 0.2153, 0.2662



20.3507, 0.2052, 0.1796



14.2196, 0.2982, 0.3227



18.4141, 0.2005, 0.2417



1.3305, 0.2049, 0.2576

Inverse Universe

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



25.1781, 0.3600, 0.2201



29.9554, 0.3739, 0.2055



50.7384, 0.4201, 0.4405



13.2133, 0.3178, 0.3119



10.4827, 0.4005, 0.1980



0.6930, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 41.3739, 0.2276, 0.2789 looks on a white background.

Color Contrast Check

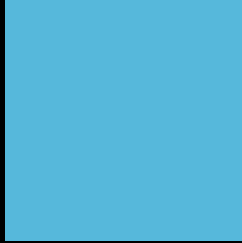
Large Text (above 18pt) WCAG AA × Fail

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 41.3739, 0.2276, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

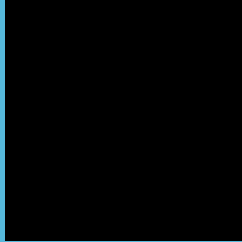
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3739, 0.2276, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 41.3739, 0.2276, 0.2789.

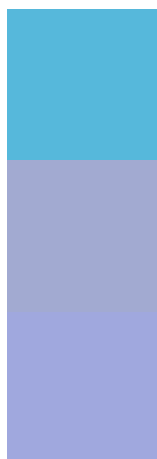


This preview shows how white text looks on a background with the Yxy color 41.3739, 0.2276, 0.2789.

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

41.3739, 0.2276, 0.2789

Protanopia

41.0343, 0.2757, 0.2774

Deuteranopia

40.7528, 0.2651, 0.2592



Tritanopia

41.4246, 0.2335, 0.3064

Trichromacy



Original Color

41.3739, 0.2276, 0.2789

Protanomaly

40.5324, 0.2537, 0.2766

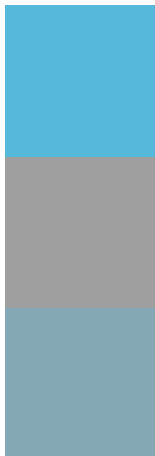
Deuteranomaly

40.4791, 0.2482, 0.2653

Tritanomaly

41.4212, 0.2314, 0.2965

Monochromacy



Original Color

41.3739, 0.2276, 0.2789

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.2470, 0.2720, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3739, 0.2276, 0.2789 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(86, 184, 219)` looks like.

```
.text, #text, p{  
    color:rgb(86, 184, 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(86, 184, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 184, 219) }
```

Border

The CSS property to change the border of an element to Yxy 41.3739, 0.2276, 0.2789 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(86, 184, 219) }
```

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

```
.border{ border-color:rgb(86, 184, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 184, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 184, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 184, 219);  
box-shadow:4px 4px 4px 4px rgb(86, 184,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3739, 0.2276, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 184, 219) }
```

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

```
.background{ background-color: rgb(86, 184,  
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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