

Converting Colors

$Yxy(42.3417, 0.2307, 0.2810)$

Have a look what the booklet for
Yxy(42.3417, 0.2307, 0.2810)
contains.

Yxy(42.1396, 0.2308, 0.2807)	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(42.1396, 0.2308, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	5DB9DB
RGB	93, 185, 219
RGB Percent	36%, 73%, 86%
CMY	0.6354, 0.2745, 0.1411
CMYK	0.58, 0.16, 0.00, 0.14
HSL	196°, 64%, 61%
HSV	196°, 58%, 86%
XYZ	34.6484, 42.1396, 73.3352
YIQ	161.3680, -65.7460, -8.9300

Conversions

Conversions Part 2

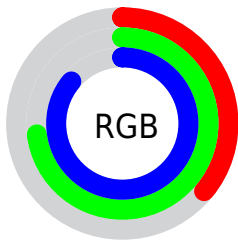
Format	Color
R_{YB}	93, 146, 219
Decimal	6142427
CIE _{Lab}	70.97, -17.68, -25.37
CIE _{LCh}	71, 30.922, 235.128
Yxy	42.1396, 0.2308, 0.2807
Android (android.graphics.Color)	4284332507 (0xFF5DB9DB)
YUV	161.3680, 28.4126, -59.9587
Hunter-Lab	64.9150, -18.3268, -21.5401

Details

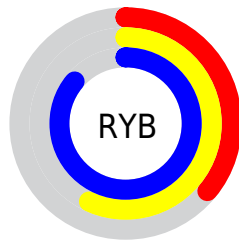
The Yxy color **42.1396, 0.2308, 0.2807** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.0270, 0.4611, 0.3689**, and the grayscale version is **35.7070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8060, 0.2545, 0.3130**, and **19.2930, 0.2092, 0.2661** is the 20% darker color. If you saturate the color by 10%, you get **38.7361, 0.2203, 0.2707**, and if you desaturate by 10%, it is **45.9762, 0.2429, 0.2904**.

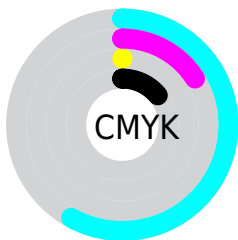
Distribution



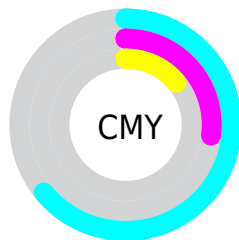
- Red (36%)
- Green (73%)
- Blue (86%)



- Red (36%)
- Yellow (57%)
- Blue (86%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)





- Cyan (64%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1396, 0.2308, 0.2807 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 42.1396, 0.2308, 0.2807 by changing the saturation by 10% instead.


 42.1396, 0.2308,
0.2807


 42.1396, 0.2308,
0.2807

355.0613, 0.2710,
0.3059

 29.2106, 0.2211,
0.2742


 78.4109, 0.2451,
0.2900


 19.2402, 0.2090,
0.2658


 102.5219, 0.2506,
0.2935

 11.8440, 0.1933,
0.2545


 131.1291, 0.2553,
0.2964

 6.6375, 0.1725,
0.2387


 164.6169, 0.2593,
0.2988

 3.2365, 0.1438,
0.2154

203.3696, 0.2628,
0.3010

 1.2564, 0.1028,
0.1787

247.7716, 0.2658,

 0.1071, 0.0000,

0.3028

0.0460

298.2074, 0.2685,
0.3044

0.0000, 0.0000,
0.0000

42.1396, 0.2308,
0.2807

42.1396, 0.2308,
0.2807

38.7361, 0.2203,
0.2707

45.9762, 0.2429,
0.2904

35.7309, 0.2117,
0.2605

50.2678, 0.2563,
0.2997

33.0906, 0.2051,
0.2503

55.0400, 0.2707,
0.3084

30.7678, 0.2004,
0.2403

60.3149, 0.2858,
0.3165

30.2283, 0.1994,
0.2378

66.1132, 0.3011,
0.3239

■ 72.4541, 0.3165,
0.3306

■ 79.3558, 0.3316,
0.3366

■ 84.2482, 0.3371,
0.3423

■ 87.6369, 0.3362,
0.3481

Harmonies

Analogous

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



42.1396, 0.2388, 0.3171



42.1396, 0.2308, 0.2807



42.1396, 0.2425, 0.2605

Triad

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



42.1396, 0.2308, 0.2807



42.1396, 0.3594, 0.2984



42.1396, 0.3501, 0.4099

Complementary

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



42.1396, 0.2308, 0.2807



31.0270, 0.4611, 0.3689

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.



42.1396, 0.3857, 0.3973



42.1396, 0.2308, 0.2807



42.1396, 0.3924, 0.3326

Square

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



42.1396, 0.2308, 0.2807



42.1396, 0.3145, 0.2719



42.1396, 0.4019, 0.3682



42.1396, 0.3060, 0.3972

Rectangle

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



42.1396, 0.2308, 0.2807



42.1396, 0.2604, 0.2570



42.1396, 0.4019, 0.3682



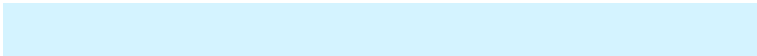
42.1396, 0.3635, 0.4082

Sweetspot

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



42.1412, 0.2308, 0.2807



85.4476, 0.2864, 0.3168



54.5184, 0.2880, 0.4665



17.9525, 0.2833, 0.3152



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.



42.1412, 0.2308, 0.2807



53.7638, 0.2184, 0.2686



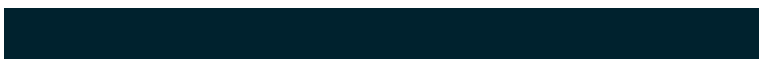
21.4546, 0.2102, 0.1855



14.2042, 0.2982, 0.3225



18.1110, 0.1998, 0.2393



1.3130, 0.2044, 0.2557

Inverse Universe

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



26.3896, 0.3578, 0.2254



31.3898, 0.3709, 0.2103



52.5086, 0.4130, 0.4379



13.2117, 0.3179, 0.3121



10.4521, 0.4030, 0.1994



0.6912, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 42.1396, 0.2308, 0.2807 looks on a white background.

Color Contrast Check

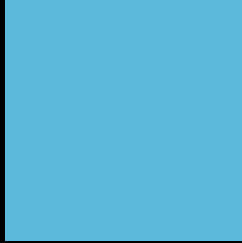
Large Text (above 18pt) WCAG AA × Fail

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 42.1396, 0.2308, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

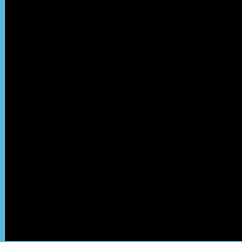
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1396, 0.2308, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 42.1396, 0.2308, 0.2807.

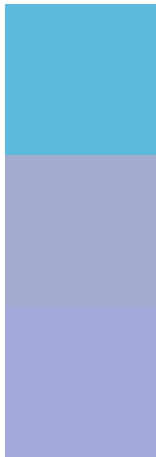


This preview shows how white text looks on a background with the Yxy color 42.1396, 0.2308, 0.2807.

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

42.1396, 0.2308, 0.2807

Protanopia

41.6218, 0.2774, 0.2790

Deuteranopia

41.8099, 0.2676, 0.2623



Tritanopia

42.2567, 0.2366, 0.3067

Trichromacy



Original Color

42.1396, 0.2308, 0.2807

Protanomaly

41.2580, 0.2565, 0.2784

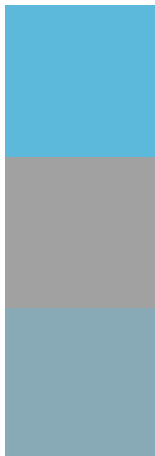
Deuteranomaly

41.2837, 0.2516, 0.2673

Tritanomaly

42.2679, 0.2346, 0.2969

Monochromacy



Original Color

42.1396, 0.2308, 0.2807

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.3611, 0.2746, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1396, 0.2308, 0.2807 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(93, 185, 219)` looks like.

```
.text, #text, p{  
    color:rgb(93, 185, 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(93, 185, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 185, 219) }
```

Border

The CSS property to change the border of an element to Yxy 42.1396, 0.2308, 0.2807 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(93, 185, 219) }
```

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

```
.border{ border-color:rgb(93, 185, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 185, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 185, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 185, 219);  
box-shadow:4px 4px 4px 4px rgb(93, 185,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1396, 0.2308, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 185, 219) }
```

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

```
.background{ background-color: rgb(93, 185,  
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](#).

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