

Converting Colors

$Y_{xy}(43.4548, 0.2288, 0.2815)$

Have a look what the booklet for
Yxy(43.4548, 0.2288, 0.2815)
contains.

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Color

Yxy(43.3642, 0.2287, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	59BCDE
RGB	89, 188, 222
RGB Percent	35%, 74%, 87%
CMY	0.6514, 0.2627, 0.1294
CMYK	0.60, 0.15, 0.00, 0.13
HSL	195°, 67%, 61%
HSV	195°, 60%, 87%
XYZ	35.2807, 43.3642, 75.6212
YIQ	162.2750, -69.9180, -10.4140

Conversions

Conversions Part 2

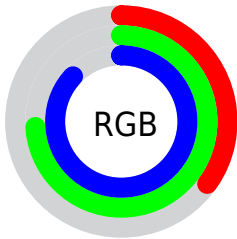
Format	Color
R_{YB}	89, 146, 222
Decimal	5881054
CIE _{Lab}	71.80, -19.12, -25.73
CIE _{LCh}	72, 32.058, 233.393
Yxy	43.3642, 0.2287, 0.2811
Android (android.graphics.Color)	4284071134 (0xFF59BCDE)
YUV	162.2750, 29.4444, -64.2622
Hunter-Lab	65.8515, -19.6068, -21.9902

Details

The Yxy color **43.3642, 0.2287, 0.2811** 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 **30.3887, 0.4720, 0.3678**, and the grayscale version is **36.1400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4054, 0.2541, 0.3164**, and **20.1180, 0.2075, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **40.0544, 0.2189, 0.2716**, and if you desaturate by 10%, it is **47.1032, 0.2403, 0.2904**.

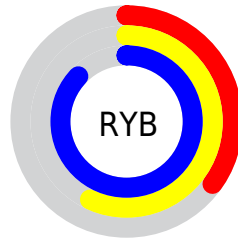
Distribution



Red (35%)

Green (74%)

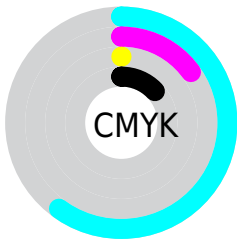
Blue (87%)



Red (35%)

Yellow (57%)

Blue (87%)

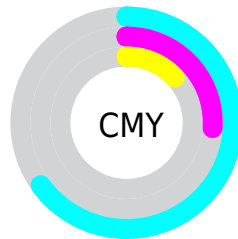


Cyan (60%)

Magenta (15%)

Yellow (0%)

Black (13%)



Cyan (65%)


Magenta (26%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3642, 0.2287, 0.2811 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 43.3642, 0.2287, 0.2811 by changing the saturation by 10% instead.


 43.3642, 0.2287,
0.2811


 43.3642, 0.2287,
0.2811


360.1074, 0.2696,
0.3060


 30.1710, 0.2189,
0.2747


 80.2602, 0.2433,
0.2903

 19.9684, 0.2067,
0.2664


 104.7317, 0.2488,
0.2937

 12.3721, 0.1910,
0.2553


 133.7314, 0.2536,
0.2966

 6.9976, 0.1702,
0.2398

 167.6438, 0.2577,
0.2990

 3.4606, 0.1418,
0.2170

206.8532, 0.2612,
0.3012

 1.3767, 0.1021,
0.1813

251.7440, 0.2644,

 0.1994, 0.0000,

0.3030

0.0754

302.7006, 0.2672,
0.3046

0.0000, 0.0000,
0.0000

43.3642, 0.2287,
0.2811

43.3642, 0.2287,
0.2811

40.0544, 0.2189,
0.2716

47.1032, 0.2403,
0.2904

37.1373, 0.2110,
0.2620

51.2949, 0.2532,
0.2992

34.5766, 0.2051,
0.2524

55.9659, 0.2673,
0.3076

32.3070, 0.2008,
0.2430

61.1395, 0.2821,
0.3154

32.2975, 0.2008,
0.2430

66.8371, 0.2974,
0.3225

■ 73.0787, 0.3128,
0.3290

■ 79.8833, 0.3281,
0.3349

■ 85.0213, 0.3349,
0.3404

■ 88.2898, 0.3342,
0.3459

Harmonies

Analogous

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



43.3642, 0.2380, 0.3192



43.3642, 0.2287, 0.2811



43.3642, 0.2395, 0.2595

Triad

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



43.3642, 0.2287, 0.2811



43.3642, 0.3582, 0.2957



43.3642, 0.3534, 0.4120

Complementary

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



43.3642, 0.2287, 0.2811



30.3887, 0.4720, 0.3678

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.



43.3642, 0.3891, 0.3977



43.3642, 0.2287, 0.2811



43.3642, 0.3931, 0.3304

Square

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



43.3642, 0.2287, 0.2811



43.3642, 0.3118, 0.2693



43.3642, 0.4044, 0.3670



43.3642, 0.3083, 0.4007

Rectangle

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



43.3642, 0.2287, 0.2811



43.3642, 0.2572, 0.2553



43.3642, 0.4044, 0.3670



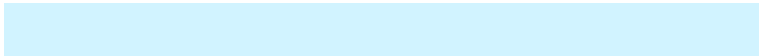
43.3642, 0.3670, 0.4097

Sweetspot

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



43.3658, 0.2287, 0.2811



85.0580, 0.2849, 0.3167



55.7740, 0.2886, 0.4768



17.7376, 0.2804, 0.3145



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.



43.3658, 0.2287, 0.2811



53.7424, 0.2166, 0.2691



21.3553, 0.2065, 0.1816



14.9487, 0.2982, 0.3229



19.3701, 0.2012, 0.2444



1.4836, 0.2053, 0.2589

Inverse Universe

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



26.2899, 0.3580, 0.2201



30.3772, 0.3710, 0.2052



52.5289, 0.4189, 0.4395



13.8727, 0.3177, 0.3117



10.8635, 0.3979, 0.1965



0.7672, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 43.3642, 0.2287, 0.2811 looks on a white background.

Color Contrast Check

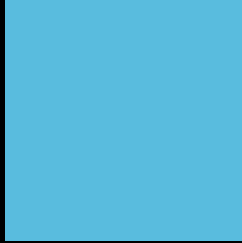
Large Text (above 18pt) WCAG AA × Fail

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 43.3642, 0.2287, 0.2811 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 43.3642, 0.2287, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 43.3642, 0.2287, 0.2811.



This preview shows how white text looks on a background with the Yxy color 43.3642, 0.2287, 0.2811.

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

43.3642, 0.2287, 0.2811

Protanopia

42.7476, 0.2770, 0.2783

Deuteranopia

42.9954, 0.2668, 0.2607



Tritanopia

43.5117, 0.2345, 0.3068

Trichromacy



Original Color

43.3642, 0.2287, 0.2811

Protanomaly

42.2019, 0.2551, 0.2775

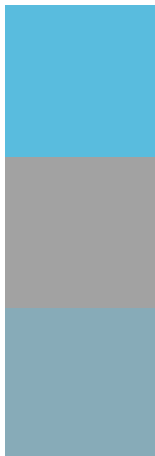
Deuteranomaly

42.5954, 0.2493, 0.2666

Tritanomaly

43.5117, 0.2325, 0.2971

Monochromacy



Original Color

43.3642, 0.2287, 0.2811

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7374, 0.2726, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3642, 0.2287, 0.2811 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(89, 188, 222)` looks like.

```
.text, #text, p{  
    color:rgb(89, 188, 222)  
}
```

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(89, 188, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 188, 222) }
```

Border

The CSS property to change the border of an element to Yxy 43.3642, 0.2287, 0.2811 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(89, 188, 222) }
```

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

```
.border{ border-color:rgb(89, 188, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 188, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 188, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 188, 222);  
box-shadow:4px 4px 4px 4px rgb(89, 188,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3642, 0.2287, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 188, 222) }
```

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

```
.background{ background-color: rgb(89, 188,  
222) }
```

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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