

Converting Colors

$Yxy(42.9224, 0.2279, 0.2884)$

Have a look what the booklet for
Yxy(42.9224, 0.2279, 0.2884)
contains.

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Color

Yxy(43.1104, 0.2279, 0.2887)

Conversions

Conversions Part 1

Format	Color
Hex	50BDD9
RGB	80, 189, 217
RGB Percent	31%, 74%, 85%
CMY	0.6863, 0.2588, 0.1490
CMYK	0.63, 0.13, 0.00, 0.15
HSL	192°, 64%, 58%
HSV	192°, 63%, 85%
XYZ	34.0314, 43.1104, 72.1842
YIQ	159.6010, -73.9520, -14.4000

Conversions

Conversions Part 2

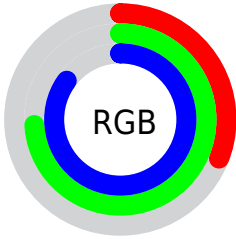
Format	Color
RYB	80, 141, 217
Decimal	5291481
CIELab	71.63, -22.67, -23.31
CIELCh	72, 32.512, 225.792
Yxy	43.1104, 0.2279, 0.2887
Android (android.graphics.Color)	4283481561 (0xFF50BDD9)
YUV	159.6010, 28.2977, -69.8101
Hunter-Lab	65.6585, -22.3843, -19.2217

Details

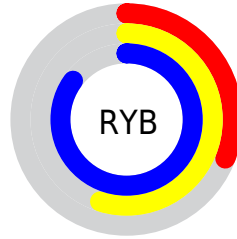
The Yxy color **43.1104, 0.2279, 0.2887** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **26.0618, 0.4904, 0.3607**, and the grayscale version is **34.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2756, 0.2509, 0.3174**, and **19.9366, 0.2099, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **40.4351, 0.2194, 0.2812**, and if you desaturate by 10%, it is **46.1523, 0.2382, 0.2960**.

Distribution



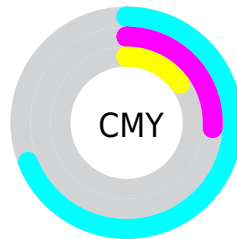
- Red (31%)
- Green (74%)
- Blue (85%)



- Red (31%)
- Yellow (55%)
- Blue (85%)



- Cyan (63%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)





- Cyan (69%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1104, 0.2279, 0.2887 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 43.1104, 0.2279, 0.2887 by changing the saturation by 10% instead.


 43.1104, 0.2279,
0.2887


 43.1104, 0.2279,
0.2887

359.0656, 0.2693,
0.3100


 29.9717, 0.2180,
0.2831


 79.8774, 0.2426,
0.2967


 19.8171, 0.2056,
0.2758


 104.2746, 0.2483,
0.2996

 12.2622, 0.1896,
0.2658


 133.1934, 0.2531,
0.3021

 6.9225, 0.1684,
0.2517

 167.0182, 0.2572,
0.3042

 3.4137, 0.1394,
0.2305

206.1334, 0.2608,
0.3059

 1.3513, 0.0974,
0.1964

250.9235, 0.2640,

 0.1804, 0.0000,

0.3075

0.0789

301.7727, 0.2668,
0.3088

0.0000, 0.0000,
0.0000

43.1104, 0.2279,
0.2887

43.1104, 0.2279,
0.2887

40.4351, 0.2194,
0.2812

46.1523, 0.2382,
0.2960

38.0904, 0.2129,
0.2737

49.5830, 0.2502,
0.3031

36.0405, 0.2082,
0.2663

53.4282, 0.2634,
0.3099

34.7616, 0.2059,
0.2612

57.7100, 0.2777,
0.3162

62.4486, 0.2926,
0.3221

67.6630, 0.3079,
0.3274

73.3709, 0.3233,
0.3323

79.5889, 0.3386,
0.3366

82.2745, 0.3389,
0.3410

Harmonies

Analogous

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



43.1104, 0.2424, 0.3306



43.1104, 0.2279, 0.2887



43.1104, 0.2338, 0.2622

Triad

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



43.1104, 0.2279, 0.2887



43.1104, 0.3474, 0.2874



43.1104, 0.3646, 0.4119

Complementary

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



43.1104, 0.2279, 0.2887



26.0618, 0.4904, 0.3607

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.



43.1104, 0.3966, 0.3919



43.1104, 0.2279, 0.2887



43.1104, 0.3874, 0.3210

Square

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



43.1104, 0.2279, 0.2887



43.1104, 0.2998, 0.2636



43.1104, 0.4057, 0.3583



43.1104, 0.3200, 0.4075

Rectangle

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



43.1104, 0.2279, 0.2887



43.1104, 0.2486, 0.2548



43.1104, 0.4057, 0.3583



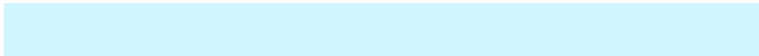
43.1104, 0.3772, 0.4074

Sweetspot

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



43.1120, 0.2279, 0.2887



85.7821, 0.2835, 0.3186



52.4101, 0.2913, 0.4957



17.9494, 0.2792, 0.3169



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.



43.1120, 0.2279, 0.2887



57.0102, 0.2169, 0.2786



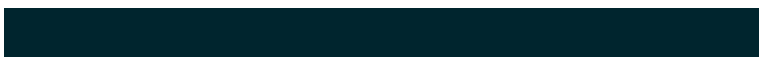
20.4162, 0.2034, 0.1831



14.3538, 0.2982, 0.3241



21.1940, 0.2062, 0.2623



1.4896, 0.2096, 0.2744

Inverse Universe

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



24.1657, 0.3521, 0.2092



29.5444, 0.3631, 0.1942



46.3496, 0.4297, 0.4370



13.2268, 0.3169, 0.3106



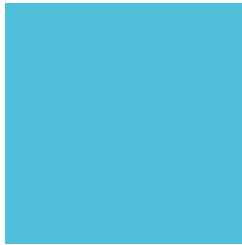
10.7633, 0.3802, 0.1868



0.7091, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 43.1104, 0.2279, 0.2887 looks on a white background.

Color Contrast Check

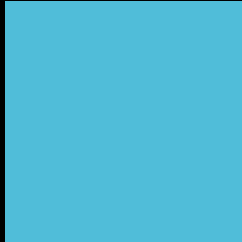
Large Text (above 18pt) WCAG AA × Fail

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 43.1104, 0.2279, 0.2887 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 43.1104, 0.2279, 0.2887

Background



This preview shows how black text looks on a background with the Yxy color 43.1104, 0.2279, 0.2887.



This preview shows how white text looks on a background with the Yxy color 43.1104, 0.2279, 0.2887.

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

43.1104, 0.2279, 0.2887

Protanopia

42.6682, 0.2829, 0.2858

Deuteranopia

42.5618, 0.2714, 0.2653



Tritanopia

43.2137, 0.2319, 0.3067

Trichromacy



Original Color

43.1104, 0.2279, 0.2887



Protanomaly

42.1276, 0.2576, 0.2863



Deuteranomaly

42.1590, 0.2509, 0.2724



Tritanomaly

43.0578, 0.2304, 0.2996

Monochromacy



Original Color

43.1104, 0.2279, 0.2887



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.2873, 0.2717, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1104, 0.2279, 0.2887 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(80, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(80, 189, 217)  
}
```

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(80, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 189, 217) }
```

Border

The CSS property to change the border of an element to Yxy 43.1104, 0.2279, 0.2887 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(80, 189, 217) }
```

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

```
.border{ border-color:rgb(80, 189, 217) }
```

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

Here you see how a box with a 4 pixel rgb(80, 189, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(80, 189,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1104, 0.2279, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 189, 217) }
```

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

```
.background{ background-color: rgb(80, 189,  
217) }
```

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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