

Converting Colors

$Y_{xy}(42.6268, 0.2266, 0.2857)$

Have a look what the booklet for
Yxy(42.6268, 0.2266, 0.2857)
contains.

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Color

Yxy(42.6907, 0.2268, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	4FBCDA
RGB	79, 188, 218
RGB Percent	31%, 74%, 85%
CMY	0.6898, 0.2628, 0.1452
CMYK	0.64, 0.14, 0.00, 0.15
HSL	193°, 65%, 58%
HSV	193°, 64%, 85%
XYZ	33.8659, 42.6907, 72.7638
YIQ	158.8290, -74.5940, -13.7780

Conversions

Conversions Part 2

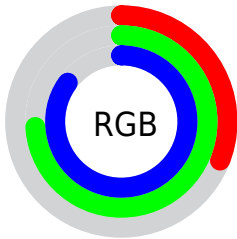
Format	Color
RYB	79, 140, 218
Decimal	5225690
CIELab	71.34, -22.02, -24.26
CIELCh	71, 32.763, 227.779
Yxy	42.6907, 0.2268, 0.2859
Android (android.graphics.Color)	4283415770 (0xFF4FBCDA)
YUV	158.8290, 29.1713, -70.0100
Hunter-Lab	65.3381, -21.8221, -20.2917

Details

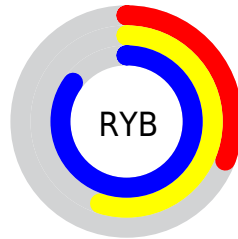
The Yxy color **42.6907, 0.2268, 0.2859** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **26.4230, 0.4914, 0.3627**, and the grayscale version is **34.4919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5841, 0.2502, 0.3163**, and **19.9723, 0.2094, 0.2738** is the 20% darker color. If you saturate the color by 10%, you get **39.9267, 0.2183, 0.2780**, and if you desaturate by 10%, it is **45.8299, 0.2372, 0.2937**.

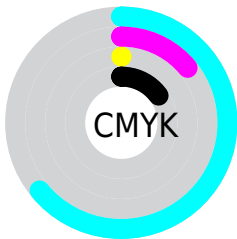
Distribution



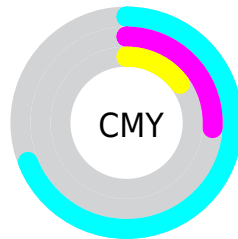
- Red (31%)
- Green (74%)
- Blue (85%)



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



- Cyan (64%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6907, 0.2268, 0.2859 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 42.6907, 0.2268, 0.2859 by changing the saturation by 10% instead.

 42.6907, 0.2268,
0.2859

 42.6907, 0.2268,
0.2859


357.3382, 0.2687,
0.3087

 29.6425, 0.2168,
0.2799


 79.2439, 0.2417,
0.2944

 19.5674, 0.2042,
0.2722


 103.5177, 0.2474,
0.2975

 12.0810, 0.1880,
0.2617


 132.3022, 0.2523,
0.3001

 6.7989, 0.1666,
0.2468

 165.9817, 0.2565,
0.3024

 3.3366, 0.1373,
0.2246

204.9407, 0.2602,
0.3043

 1.3099, 0.0948,
0.1892

249.5635, 0.2634,

 0.1488, 0.0000,

0.3059

0.0644

300.2345, 0.2662,
0.3074

■ 0.0000, 0.0000,
0.0000

■ 42.6907, 0.2268,
0.2859

■ 42.6907, 0.2268,
0.2859

■ 39.9267, 0.2183,
0.2780

■ 45.8299, 0.2372,
0.2937

■ 37.5012, 0.2117,
0.2700

■ 49.3671, 0.2492,
0.3012

■ 35.3775, 0.2070,
0.2621

■ 53.3287, 0.2625,
0.3084

■ 34.1554, 0.2048,
0.2572

■ 57.7369, 0.2768,
0.3151

■ 62.6126, 0.2917,
0.3213

67.9750, 0.3070,
0.3270

73.8420, 0.3224,
0.3322

80.2309, 0.3376,
0.3368

83.1051, 0.3381,
0.3414

Harmonies

Analogous

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



42.6907, 0.2401, 0.3275



42.6907, 0.2268, 0.2859



42.6907, 0.2341, 0.2604

Triad

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



42.6907, 0.2268, 0.2859



42.6907, 0.3509, 0.2890



42.6907, 0.3624, 0.4133

Complementary

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



42.6907, 0.2268, 0.2859



26.4230, 0.4914, 0.3627

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.



42.6907, 0.3960, 0.3944



42.6907, 0.2268, 0.2859



42.6907, 0.3902, 0.3233

Square

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



42.6907, 0.2268, 0.2859



42.6907, 0.3028, 0.2641



42.6907, 0.4069, 0.3610



42.6907, 0.3169, 0.4072

Rectangle

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



42.6907, 0.2268, 0.2859



42.6907, 0.2499, 0.2538



42.6907, 0.4069, 0.3610



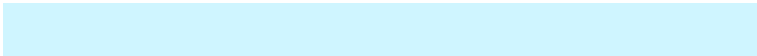
42.6907, 0.3755, 0.4094

Sweetspot

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



42.6923, 0.2268, 0.2859



85.4483, 0.2835, 0.3180



52.8537, 0.2913, 0.4975



17.8678, 0.2792, 0.3162



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.



42.6923, 0.2268, 0.2859



55.8902, 0.2161, 0.2756



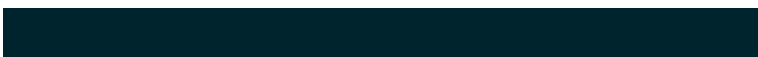
20.3465, 0.2025, 0.1815



14.3276, 0.2982, 0.3238



20.6322, 0.2051, 0.2583



1.4577, 0.2087, 0.2711

Inverse Universe

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



24.1398, 0.3546, 0.2099



29.4314, 0.3658, 0.1959



46.6407, 0.4309, 0.4377



13.2242, 0.3170, 0.3109



10.7066, 0.3840, 0.1889



0.7058, 0.3717, 0.1821

Previews

White Background



This preview shows how the Yxy color 42.6907, 0.2268, 0.2859 looks on a white background.

Color Contrast Check

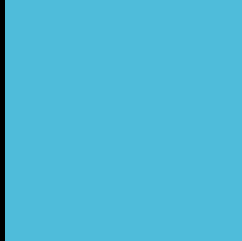
Large Text (above 18pt) WCAG AA × Fail

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 42.6907, 0.2268, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

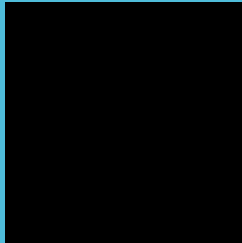
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6907, 0.2268, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 42.6907, 0.2268, 0.2859.

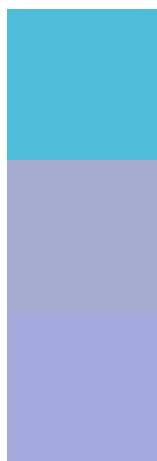


This preview shows how white text looks on a background with the Yxy color 42.6907, 0.2268, 0.2859.

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

42.6907, 0.2268, 0.2859

Protanopia

42.1170, 0.2805, 0.2830

Deuteranopia

42.0227, 0.2691, 0.2626



Tritanopia

42.6996, 0.2308, 0.3051

Trichromacy



Original Color

42.6907, 0.2268, 0.2859

Protanomaly

41.6123, 0.2555, 0.2835

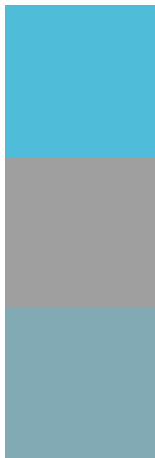
Deuteranomaly

41.7331, 0.2494, 0.2697

Tritanomaly

42.5442, 0.2293, 0.2981

Monochromacy



Original Color

42.6907, 0.2268, 0.2859

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.7906, 0.2715, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6907, 0.2268, 0.2859 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(79, 188, 218)` looks like.

```
.text, #text, p{  
    color:rgb(79, 188, 218)  
}
```

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(79, 188, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 188, 218) }
```

Border

The CSS property to change the border of an element to Yxy 42.6907, 0.2268, 0.2859 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(79, 188, 218) }
```

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

```
.border{ border-color:rgb(79, 188, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 188, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 188, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 188, 218);  
box-shadow:4px 4px 4px 4px rgb(79, 188,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6907, 0.2268, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 188, 218) }
```

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

```
.background{ background-color: rgb(79, 188,  
218) }
```

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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