

Converting Colors

$Y_{xy}(43.2158, 0.2428, 0.3205)$

Have a look what the booklet for
Yxy(43.2158, 0.2428, 0.3205)
contains.

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Color

Yxy(42.9861, 0.2425, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	5ABEC4
RGB	90, 190, 196
RGB Percent	35%, 75%, 77%
CMY	0.6475, 0.2548, 0.2314
CMYK	0.54, 0.03, 0.00, 0.23
HSL	183°, 47%, 56%
HSV	183°, 54%, 77%
XYZ	32.5856, 42.9861, 58.8019
YIQ	160.7840, -61.5260, -19.3340

Conversions

Conversions Part 2

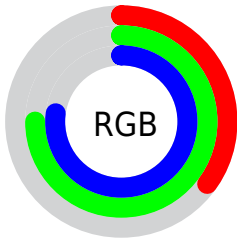
Format	Color
RYB	90, 141, 196
Decimal	5947076
CIELab	71.55, -27.41, -11.93
CIElCh	72, 29.891, 203.521
Yxy	42.9861, 0.2425, 0.3199
Android (android.graphics.Color)	4284137156 (0xFF5ABEC4)
YUV	160.7840, 17.3615, -62.0776
Hunter-Lab	65.5638, -26.0211, -7.2805

Details

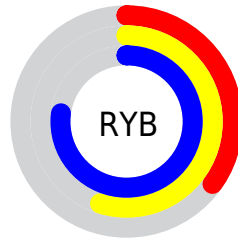
The Yxy color **42.9861, 0.2425, 0.3199** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.8155, 0.4661, 0.3371**, and the grayscale version is **35.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9093, 0.2547, 0.3220**, and **19.6715, 0.2234, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **41.6555, 0.2343, 0.3180**, and if you desaturate by 10%, it is **44.5826, 0.2525, 0.3218**.

Distribution



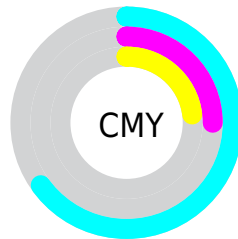
- Red (35%)
- Green (75%)
- Blue (77%)



- Red (35%)
- Yellow (55%)
- Blue (77%)



- Cyan (54%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)





- Cyan (65%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9861, 0.2425, 0.3199 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 42.9861, 0.2425, 0.3199 by changing the saturation by 10% instead.


 42.9861, 0.2425,
0.3199


 42.9861, 0.2425,
0.3199


358.5546, 0.2772,
0.3254


 29.8742, 0.2340,
0.3182


 79.6899, 0.2550,
0.3221


 19.7431, 0.2232,
0.3159


 104.0506, 0.2597,
0.3229

 12.2085, 0.2091,
0.3125


 132.9296, 0.2638,
0.3235

 6.8858, 0.1898,
0.3073


 166.7115, 0.2672,
0.3240

 3.3908, 0.1625,
0.2982

205.7805, 0.2702,
0.3245

 1.3390, 0.1151,
0.2825

250.5211, 0.2728,

 0.1711, 0.0000,

0.3248

0.1435

301.3177, 0.2752,
0.3251

0.0000, 0.0000,
0.0000

42.9861, 0.2425,
0.3199

42.9861, 0.2425,
0.3199

41.6555, 0.2343,
0.3180

44.5826, 0.2525,
0.3218

40.5650, 0.2280,
0.3161

46.4586, 0.2642,
0.3236

39.6922, 0.2235,
0.3142

48.6328, 0.2772,
0.3253

39.0079, 0.2209,
0.3123

51.1206, 0.2914,
0.3269

38.6616, 0.2198,
0.3113

53.9365, 0.3064,
0.3284

■ 57.0940, 0.3219,
0.3298

■ 60.6060, 0.3376,
0.3310

■ 64.4845, 0.3534,
0.3322

■ 66.5356, 0.3598,
0.3332

Harmonies

Analogous

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



42.9861, 0.2692, 0.3622



42.9861, 0.2425, 0.3199



42.9861, 0.2337, 0.2842

Triad

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



42.9861, 0.2425, 0.3199



42.9861, 0.3122, 0.2729



42.9861, 0.3843, 0.3936

Complementary

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



42.9861, 0.2425, 0.3199



20.8155, 0.4661, 0.3371

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.



42.9861, 0.3985, 0.3652



42.9861, 0.2425, 0.3199



42.9861, 0.3554, 0.2979

Square

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



42.9861, 0.2425, 0.3199



42.9861, 0.2718, 0.2604



42.9861, 0.3880, 0.3307



42.9861, 0.3509, 0.4065

Rectangle

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



42.9861, 0.2425, 0.3199



42.9861, 0.2385, 0.2687



42.9861, 0.3880, 0.3307



42.9861, 0.3915, 0.3854

Sweetspot

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



42.9877, 0.2425, 0.3199



91.6075, 0.2883, 0.3266



42.4771, 0.3019, 0.4928



19.4013, 0.2853, 0.3262



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.



42.9877, 0.2425, 0.3199



75.0586, 0.2329, 0.3176



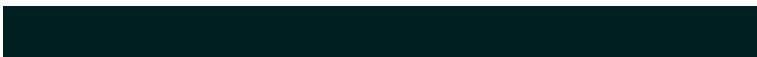
24.2284, 0.2251, 0.2350



11.3280, 0.2984, 0.3276



24.8856, 0.2199, 0.3115



1.1054, 0.2210, 0.3157

Inverse Universe

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



22.7488, 0.3255, 0.2074



35.0791, 0.3285, 0.1876



33.7309, 0.4231, 0.4051



10.2374, 0.3146, 0.3076



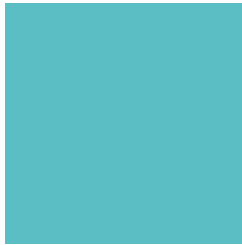
9.7945, 0.3354, 0.1621



0.4262, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 42.9861, 0.2425, 0.3199 looks on a white background.

Color Contrast Check

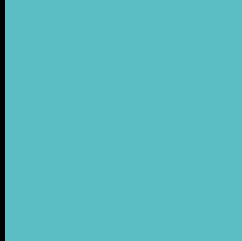
Large Text (above 18pt) WCAG AA × Fail

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 42.9861, 0.2425, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

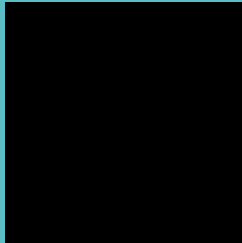
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

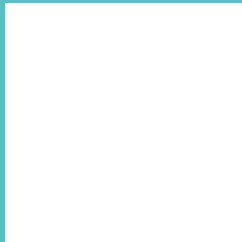
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9861, 0.2425, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 42.9861, 0.2425, 0.3199.

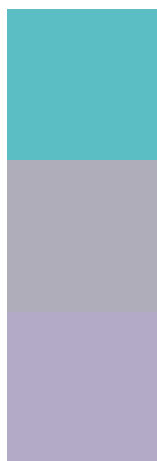


This preview shows how white text looks on a background with the Yxy color 42.9861, 0.2425, 0.3199.

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

42.9861, 0.2425, 0.3199

Protanopia

42.3886, 0.3038, 0.3129

Deuteranopia

42.5033, 0.2963, 0.2902



Tritanopia

43.0820, 0.2395, 0.3069

Trichromacy



Original Color

42.9861, 0.2425, 0.3199

Protanomaly

41.7540, 0.2761, 0.3147

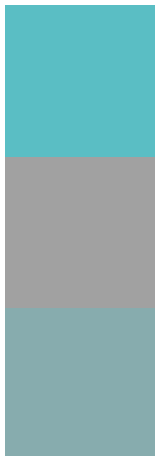
Deuteranomaly

41.7708, 0.2720, 0.2985

Tritanomaly

42.8875, 0.2405, 0.3112

Monochromacy



Original Color

42.9861, 0.2425, 0.3199

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.7119, 0.2799, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9861, 0.2425, 0.3199 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(90, 190, 196)` looks like.

```
.text, #text, p{  
    color:rgb(90, 190, 196)  
}
```

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(90, 190, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 190, 196) }
```

Border

The CSS property to change the border of an element to Yxy 42.9861, 0.2425, 0.3199 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(90, 190, 196) }
```

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

```
.border{ border-color:rgb(90, 190, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 190, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 190, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 190, 196);  
box-shadow:4px 4px 4px 4px rgb(90, 190,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9861, 0.2425, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 190, 196) }
```

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

```
.background{ background-color: rgb(90, 190,  
196) }
```

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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