

Converting Colors

$Y_{xy}(41.7425, 0.2210, 0.2724)$

Have a look what the booklet for
Yxy(41.7425, 0.2210, 0.2724)
contains.

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Color

Yxy(41.5900, 0.2209, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	4AB9E1
RGB	74, 185, 225
RGB Percent	29%, 73%, 88%
CMY	0.7099, 0.2745, 0.1176
CMYK	0.67, 0.18, 0.00, 0.12
HSL	196°, 72%, 59%
HSV	196°, 67%, 88%
XYZ	33.7642, 41.5900, 77.4940
YIQ	156.3710, -78.9960, -11.0920

Conversions

Conversions Part 2

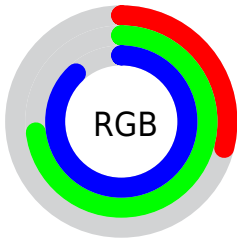
Format	Color
R_{YB}	74, 138, 225
Decimal	4897249
CIE _{Lab}	70.59, -19.11, -29.28
CIE _{LCh}	71, 34.961, 236.870
Yxy	41.5900, 0.2209, 0.2721
Android (android.graphics.Color)	4283087329 (0xFF4AB9E1)
YUV	156.3710, 33.8341, -72.2394
Hunter-Lab	64.4903, -19.4036, -26.1019

Details

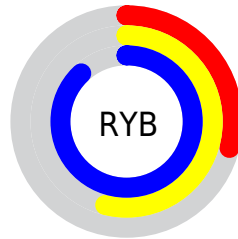
The Yxy color **41.5900, 0.2209, 0.2721** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **28.5399, 0.4987, 0.3715**, and the grayscale version is **33.2919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5339, 0.2483, 0.3127**, and **19.4048, 0.2044, 0.2558** is the 20% darker color. If you saturate the color by 10%, you get **38.4102, 0.2123, 0.2621**, and if you desaturate by 10%, it is **45.1966, 0.2314, 0.2819**.

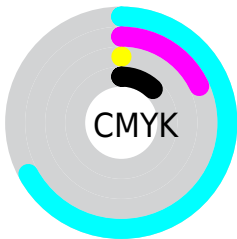
Distribution



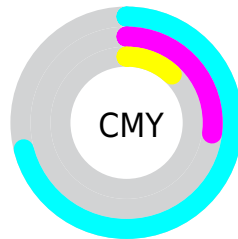
- Red (29%)
- Green (73%)
- Blue (88%)



- Red (29%)
- Yellow (54%)
- Blue (88%)



- Cyan (67%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (71%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5900, 0.2209, 0.2721 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 41.5900, 0.2209, 0.2721 by changing the saturation by 10% instead.

■ 41.5900, 0.2209,
0.2721

■ 41.5900, 0.2209,
0.2721

352.7805, 0.2657,
0.3017

■ 28.7804, 0.2102,
0.2645

■ 77.5787, 0.2368,
0.2830

■ 18.9148, 0.1969,
0.2548

■ 101.5266, 0.2429,
0.2871

■ 11.6087, 0.1799,
0.2417

■ 129.9561, 0.2481,
0.2905

■ 6.4778, 0.1575,
0.2237

■ 163.2515, 0.2526,
0.2934

■ 3.1377, 0.1274,
0.1975

201.7973, 0.2565,
0.2959

■ 1.2041, 0.0850,
0.1580

245.9777, 0.2599,

■ 0.0650, 0.0000,

0.2981

0.0240

296.1774, 0.2630,
0.3000

0.0000, 0.0000,
0.0000

41.5900, 0.2209,
0.2721

41.5900, 0.2209,
0.2721

38.4102, 0.2123,
0.2621

45.1966, 0.2314,
0.2819

35.6156, 0.2057,
0.2521

49.2574, 0.2435,
0.2915

33.1594, 0.2010,
0.2423

53.8021, 0.2569,
0.3006

32.4918, 0.1999,
0.2394

58.8563, 0.2713,
0.3091

64.4435, 0.2864,
0.3170

70.5855, 0.3017,
0.3243

77.3028, 0.3171,
0.3308

84.6147, 0.3323,
0.3367

88.2305, 0.3323,
0.3425

Harmonies

Analogous

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



41.5900, 0.2283, 0.3121



41.5900, 0.2209, 0.2721



41.5900, 0.2351, 0.2512

Triad

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



41.5900, 0.2209, 0.2721



41.5900, 0.3684, 0.2964



41.5900, 0.3517, 0.4213

Complementary

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



41.5900, 0.2209, 0.2721



28.5399, 0.4987, 0.3715

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.



41.5900, 0.3932, 0.4074



41.5900, 0.2209, 0.2721



41.5900, 0.4047, 0.3347

Square

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



41.5900, 0.2209, 0.2721



41.5900, 0.3175, 0.2663



41.5900, 0.4136, 0.3746



41.5900, 0.3017, 0.4055

Rectangle

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



41.5900, 0.2209, 0.2721



41.5900, 0.2558, 0.2483



41.5900, 0.4136, 0.3746



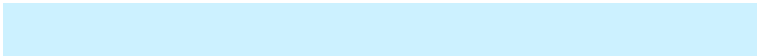
41.5900, 0.3671, 0.4195

Sweetspot

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



41.5915, 0.2209, 0.2721



83.2571, 0.2818, 0.3147



56.4795, 0.2876, 0.4973



17.3686, 0.2775, 0.3125



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.



41.5915, 0.2209, 0.2721



49.2954, 0.2091, 0.2577



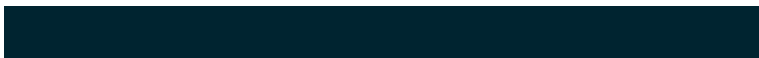
18.4247, 0.1942, 0.1613



14.9257, 0.2982, 0.3226



18.9208, 0.2003, 0.2410



1.4556, 0.2045, 0.2561

Inverse Universe

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



24.4092, 0.3673, 0.2122



27.5939, 0.3832, 0.2004



52.1557, 0.4314, 0.4489



13.8704, 0.3178, 0.3119



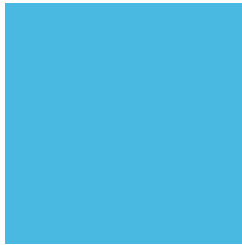
10.8181, 0.4013, 0.1984



0.7644, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 41.5900, 0.2209, 0.2721 looks on a white background.

Color Contrast Check

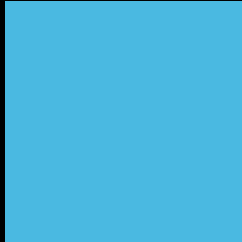
Large Text (above 18pt) WCAG AA × Fail

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 41.5900, 0.2209, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

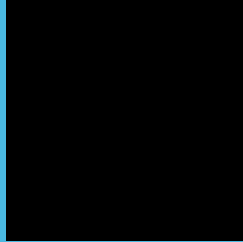
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5900, 0.2209, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 41.5900, 0.2209, 0.2721.

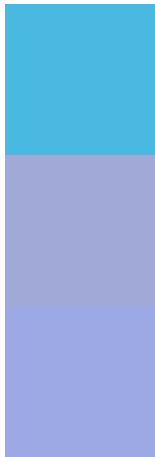


This preview shows how white text looks on a background with the Yxy color 41.5900, 0.2209, 0.2721.

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

41.5900, 0.2209, 0.2721

Protanopia

41.1816, 0.2715, 0.2713

Deuteranopia

41.2012, 0.2586, 0.2523



Tritanopia

41.7790, 0.2279, 0.3063

Trichromacy



Original Color

41.5900, 0.2209, 0.2721

Protanomaly

40.3890, 0.2476, 0.2700

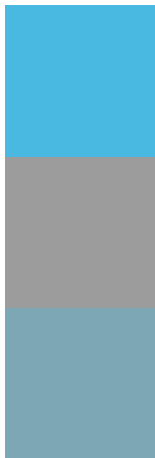
Deuteranomaly

40.7734, 0.2409, 0.2579

Tritanomaly

41.8782, 0.2251, 0.2935

Monochromacy



Original Color

41.5900, 0.2209, 0.2721

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.4092, 0.2673, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5900, 0.2209, 0.2721 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(74, 185, 225)` looks like.

```
.text, #text, p{  
  color:rgb(74, 185, 225)  
}
```

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(74, 185, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 185, 225) }
```

Border

The CSS property to change the border of an element to Yxy 41.5900, 0.2209, 0.2721 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(74, 185, 225) }
```

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

```
.border{ border-color:rgb(74, 185, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 185, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 185, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 185, 225);  
box-shadow:4px 4px 4px 4px rgb(74, 185,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5900, 0.2209, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 185, 225) }
```

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

```
.background{ background-color: rgb(74, 185,  
225) }
```

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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