

Converting Colors

$Y_{xy}(50.9702, 0.2123, 0.2724)$

Have a look what the booklet for
Yxy(50.9702, 0.2123, 0.2724)
contains.

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Color

Yxy(50.9322, 0.2122, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	2ACDF8
RGB	42, 205, 248
RGB Percent	16%, 80%, 97%
CMY	0.8361, 0.1960, 0.0275
CMYK	0.83, 0.17, 0.00, 0.03
HSL	193°, 94%, 57%
HSV	193°, 83%, 97%
XYZ	39.7200, 50.9322, 96.5297
YIQ	161.1650, -110.9510, -21.1830

Conversions

Conversions Part 2

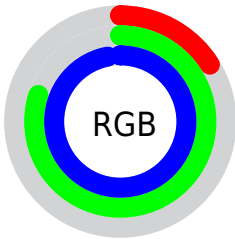
Format	Color
R _Y B	42, 133, 248
Decimal	2805240
CIE Lab	76.64, -25.48, -32.41
CIE LCh	77, 41.229, 231.823
Yxy	50.9322, 0.2122, 0.2721
Android (android.graphics.Color)	4280995320 (0xFF2ACDF8)
YUV	161.1650, 42.8097, -104.5077
Hunter-Lab	71.3668, -25.5457, -30.2380

Details

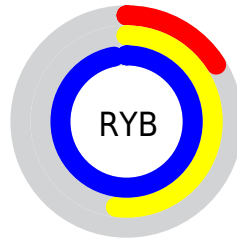
The Yxy color **50.9322, 0.2122, 0.2721** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.5770, 0.5723, 0.3592**, and the grayscale version is **35.5289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **25.8948, 0.2056, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **48.1335, 0.2076, 0.2644**, and if you desaturate by 10%, it is **54.1384, 0.2187, 0.2798**.

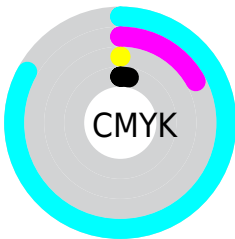
Distribution



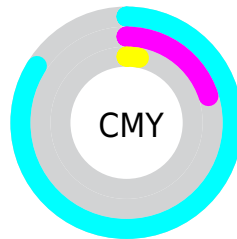
- Red (16%)
- Green (80%)
- Blue (97%)



- Red (16%)
- Yellow (52%)
- Blue (97%)



- Cyan (83%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)



- Cyan (84%)
- Magenta (20%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9322, 0.2122, 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 50.9322, 0.2122, 0.2721 by changing the saturation by 10% instead.


 50.9322, 0.2122,
0.2721


 50.9322, 0.2122,
0.2721

390.3003, 0.2592,
0.3010


 36.1547, 0.2015,
0.2649


 91.5545, 0.2285,
0.2826


 24.5537, 0.1885,
0.2558


 118.1681, 0.2348,
0.2866

 15.7448, 0.1722,
0.2440


 149.4959, 0.2403,
0.2899

 9.3438, 0.1516,
0.2280

 185.9221, 0.2451,
0.2928

 4.9661, 0.1249,
0.2056

227.8313, 0.2493,
0.2953

 2.2274, 0.0902,
0.1729

275.6078, 0.2530,

 0.7349, 0.0132,

0.2974

0.1273

329.6360, 0.2563,
0.2993

0.0000, 0.0000,
0.0000

50.9322, 0.2122,
0.2721

50.9322, 0.2122,
0.2721

48.1335, 0.2076,
0.2644

54.1384, 0.2187,
0.2798

46.3955, 0.2054,
0.2593

57.7993, 0.2272,
0.2875

61.9602, 0.2376,
0.2951

66.6587, 0.2496,
0.3024

71.9285, 0.2630,
0.3093

■ 77.8000, 0.2774,
0.3158

■ 84.3015, 0.2924,
0.3219

■ 91.4592, 0.3078,
0.3274

■ 97.3576, 0.3170,
0.3324

Harmonies

Analogous

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



50.9322, 0.2240, 0.3189



50.9322, 0.2122, 0.2721



50.9322, 0.2237, 0.2461

Triad

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



50.9322, 0.2122, 0.2721



50.9322, 0.3651, 0.2869



50.9322, 0.3637, 0.4303

Complementary

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



50.9322, 0.2122, 0.2721



26.5770, 0.5723, 0.3592

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.



50.9322, 0.4066, 0.4095



50.9322, 0.2122, 0.2721



50.9322, 0.4094, 0.3273

Square

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



50.9322, 0.2122, 0.2721



50.9322, 0.3081, 0.2565



50.9322, 0.4245, 0.3710



50.9322, 0.3093, 0.4195

Rectangle

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



50.9322, 0.2122, 0.2721



50.9322, 0.2437, 0.2408



50.9322, 0.4245, 0.3710



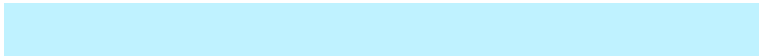
50.9322, 0.3800, 0.4263

Sweetspot

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



50.9340, 0.2122, 0.2721



81.6640, 0.2746, 0.3146



68.2371, 0.2914, 0.5513



17.0017, 0.2695, 0.3124



0.0000, 0.0000, 0.0000



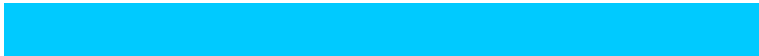
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.9340, 0.2122, 0.2721



49.3969, 0.2053, 0.2591



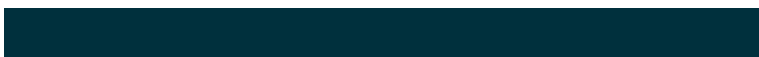
17.0930, 0.1743, 0.1307



18.9583, 0.2980, 0.3239



25.2760, 0.2057, 0.2605



2.4897, 0.2082, 0.2696

Inverse Universe

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



26.0025, 0.3698, 0.1903



25.5178, 0.3832, 0.1885



55.2888, 0.4654, 0.4538



17.4590, 0.3170, 0.3104



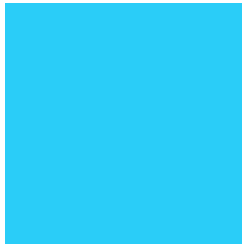
12.9625, 0.3819, 0.1878



1.2156, 0.3732, 0.1830

Previews

White Background



This preview shows how the Yxy color 50.9322, 0.2122, 0.2721 looks on a white background.

Color Contrast Check

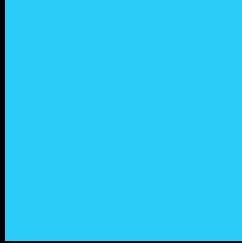
Large Text (above 18pt) WCAG AA × Fail

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 50.9322, 0.2122, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

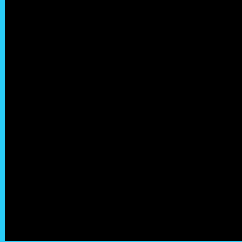
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9322, 0.2122, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 50.9322, 0.2122, 0.2721.



This preview shows how white text looks on a background with the Yxy color 50.9322, 0.2122, 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

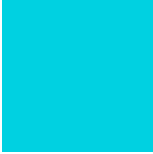
50.9322, 0.2122, 0.2721

Protanopia

50.2884, 0.2712, 0.2711

Deuteranopia

50.2248, 0.2552, 0.2492



Tritanopia

51.0372, 0.2184, 0.3064

Trichromacy



Original Color

50.9322, 0.2122, 0.2721



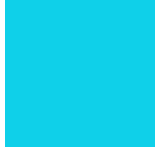
Protanomaly

48.8839, 0.2397, 0.2699



Deuteranomaly

48.8753, 0.2318, 0.2550



Tritanomaly

51.0965, 0.2159, 0.2944

Monochromacy



Original Color

50.9322, 0.2122, 0.2721



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.1461, 0.2559, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9322, 0.2122, 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(42, 205, 248)` looks like.

```
.text, #text, p{  
  color:rgb(42, 205, 248)  
}
```

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(42, 205, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 205, 248) }
```

Border

The CSS property to change the border of an element to Yxy 50.9322, 0.2122, 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(42, 205, 248) }
```

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

```
.border{ border-color:rgb(42, 205, 248) }
```

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

Here you see how a box with a 4 pixel rgb(42, 205, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 205, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 205, 248);  
box-shadow:4px 4px 4px 4px rgb(42, 205,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9322, 0.2122, 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(42, 205, 248) }
```

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

```
.background{ background-color: rgb(42, 205,  
248) }
```

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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