

Converting Colors

$Yxy(52.4177, 0.2157, 0.2654)$

Have a look what the booklet for
Yxy(52.4177, 0.2157, 0.2654)
contains.

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Color

Yxy(52.2222, 0.2155, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	47CDFF
RGB	71, 205, 255
RGB Percent	28%, 80%, 100%
CMY	0.7211, 0.1961, 0.0001
CMYK	0.72, 0.20, 0.00, 0.00
HSL	196°, 100%, 64%
HSV	196°, 72%, 100%
XYZ	42.4835, 52.2222, 102.4336
YIQ	170.6340, -95.9140, -12.8580

Conversions

Conversions Part 2

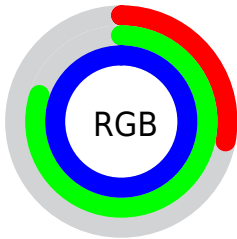
Format	Color
RYB	71, 149, 255
Decimal	4705791
CIELab	77.41, -20.35, -34.91
CIELCh	77, 40.411, 239.762
Yxy	52.2222, 0.2155, 0.2649
Android (android.graphics.Color)	4282895871 (0xFF47CDFF)
YUV	170.6340, 41.5924, -87.3790
Hunter-Lab	72.2649, -21.5260, -33.4565

Details

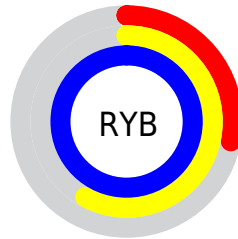
The Yxy color **52.2222, 0.2155, 0.2649** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.4147, 0.5189, 0.3733**, and the grayscale version is **40.3724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.2085, 0.2078, 0.2545**, and if you desaturate by 10%, it is **56.7908, 0.2252, 0.2752**.

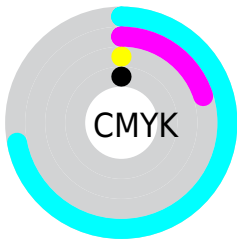
Distribution



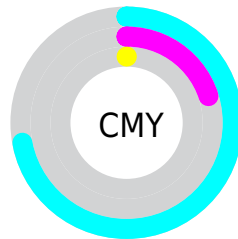
- Red (28%)
- Green (80%)
- Blue (100%)



- Red (28%)
- Yellow (58%)
- Blue (100%)



- Cyan (72%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2222, 0.2155, 0.2649 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 52.2222, 0.2155, 0.2649 by changing the saturation by 10% instead.


 52.2222, 0.2155,
0.2649

 52.2222, 0.2155,
0.2649


395.2938, 0.2608,
0.2968


 37.1822, 0.2053,
0.2572


 93.4589, 0.2312,
0.2763


 25.3486, 0.1927,
0.2475


 120.4243, 0.2373,
0.2807

 16.3370, 0.1771,
0.2351

 152.1337, 0.2426,
0.2844

 9.7629, 0.1574,
0.2185

 188.9715, 0.2472,
0.2875

 5.2420, 0.1318,
0.1958

231.3220, 0.2512,
0.2903

 2.3900, 0.0985,
0.1636

279.5696, 0.2548,

 0.8207, 0.0410,

0.2927

0.1188

334.0987, 0.2580,
0.2949

0.0000, 0.0000,
0.0000

52.2222, 0.2155,
0.2649

52.2222, 0.2155,
0.2649

48.2085, 0.2078,
0.2545

56.7908, 0.2252,
0.2752

44.6880, 0.2022,
0.2443

61.9557, 0.2366,
0.2853

42.1937, 0.1990,
0.2363

67.7596, 0.2495,
0.2949

74.2390, 0.2637,
0.3041

81.4273, 0.2786,
0.3126

■ 89.3555, 0.2939,
0.3205

■ 98.0521, 0.3095,
0.3276

■ 99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



52.2222, 0.2210, 0.3057



52.2222, 0.2155, 0.2649



52.2222, 0.2326, 0.2451

Triad

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



52.2222, 0.2155, 0.2649



52.2222, 0.3770, 0.2977



52.2222, 0.3490, 0.4280

Complementary

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



52.2222, 0.2155, 0.2649



35.4147, 0.5189, 0.3733

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.



52.2222, 0.3950, 0.4151



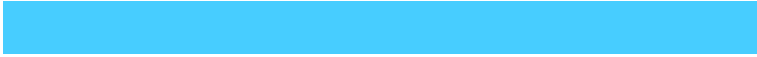
52.2222, 0.2155, 0.2649



52.2222, 0.4137, 0.3388

Square

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



52.2222, 0.2155, 0.2649



52.2222, 0.3231, 0.2649



52.2222, 0.4198, 0.3809



52.2222, 0.2955, 0.4081

Rectangle

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



52.2222, 0.2155, 0.2649



52.2222, 0.2558, 0.2435



52.2222, 0.4198, 0.3809



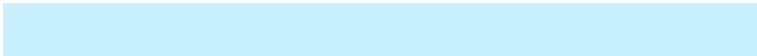
52.2222, 0.3659, 0.4269

Sweetspot

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



52.2241, 0.2155, 0.2649



81.5203, 0.2787, 0.3127



74.2135, 0.2862, 0.5086



17.0156, 0.2746, 0.3105



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.



52.2241, 0.2155, 0.2649



46.4349, 0.2048, 0.2495



20.6030, 0.1847, 0.1426



19.5970, 0.2980, 0.3224



22.3115, 0.1994, 0.2379



2.3541, 0.2027, 0.2496

Inverse Universe

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



30.1865, 0.3749, 0.2076



26.2819, 0.3919, 0.1996



68.8416, 0.4379, 0.4572



18.2111, 0.3180, 0.3119



12.9803, 0.4044, 0.2001



1.2822, 0.3927, 0.1937

Previews

White Background



This preview shows how the Yxy color 52.2222, 0.2155, 0.2649 looks on a white background.

Color Contrast Check

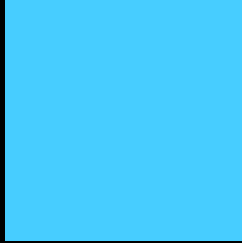
Large Text (above 18pt) WCAG AA × Fail

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 52.2222, 0.2155, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

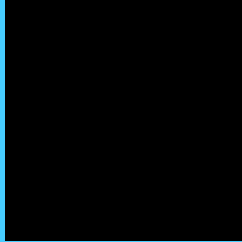
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

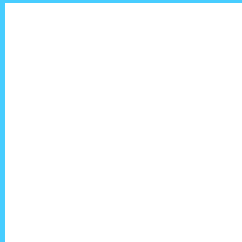
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2222, 0.2155, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 52.2222, 0.2155, 0.2649.



This preview shows how white text looks on a background with the Yxy color 52.2222, 0.2155, 0.2649.

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

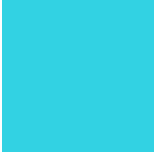
52.2222, 0.2155, 0.2649

Protanopia

51.6074, 0.2666, 0.2650

Deuteranopia

51.3067, 0.2550, 0.2497



Tritanopia

52.3173, 0.2232, 0.3054

Trichromacy



Original Color

52.2222, 0.2155, 0.2649



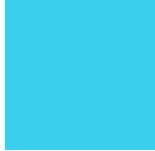
Protanomaly

50.7022, 0.2418, 0.2633



Deuteranomaly

50.8719, 0.2359, 0.2544



Tritanomaly

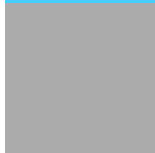
52.1257, 0.2202, 0.2899

Monochromacy



Original Color

52.2222, 0.2155, 0.2649



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.2821, 0.2626, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2222, 0.2155, 0.2649 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(71, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 205, 255)  
}
```

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(71, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.2222, 0.2155, 0.2649 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(71, 205, 255) }
```

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

```
.border{ border-color:rgb(71, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2222, 0.2155, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 205, 255) }
```

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

```
.background{ background-color: rgb(71, 205,  
255) }
```

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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