

Converting Colors

$Yxy(52.4682, 0.2159, 0.2655)$

Have a look what the booklet for
Yxy(52.4682, 0.2159, 0.2655)
contains.

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Color

Yxy(52.2604, 0.2157, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	48CDFF
RGB	72, 205, 255
RGB Percent	28%, 80%, 100%
CMY	0.7178, 0.1961, 0.0000
CMYK	0.72, 0.20, 0.00, 0.00
HSL	196°, 100%, 64%
HSV	196°, 72%, 100%
XYZ	42.5541, 52.2604, 102.4691
YIQ	170.9330, -95.3180, -12.6460

Conversions

Conversions Part 2

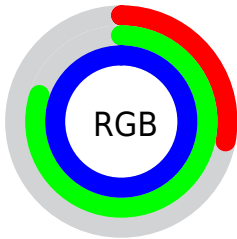
Format	Color
R _{YB}	72, 149, 255
Decimal	4771327
CIE Lab	77.44, -20.24, -34.90
CIE LCh	77, 40.340, 239.889
Yxy	52.2604, 0.2157, 0.2649
Android (android.graphics.Color)	4282961407 (0xFF48CDFF)
YUV	170.9330, 41.4450, -86.7642
Hunter-Lab	72.2914, -21.4365, -33.4364

Details

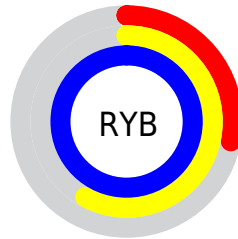
The Yxy color **52.2604, 0.2157, 0.2649** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.6383, 0.5174, 0.3735**, and the grayscale version is **40.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.2173, 0.2080, 0.2545**, and if you desaturate by 10%, it is **56.8588, 0.2254, 0.2753**.

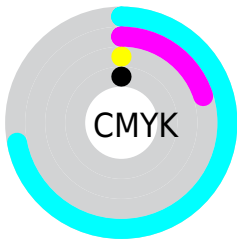
Distribution



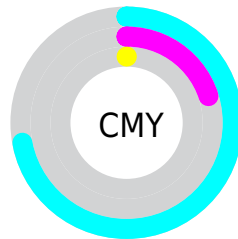
- Red (28%)
- Green (80%)
- Blue (100%)



- 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 52.2604, 0.2157, 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 52.2604, 0.2157, 0.2649 by changing the saturation by 10% instead.

 52.2604, 0.2157,
0.2649


 52.2604, 0.2157,
0.2649


395.4411, 0.2609,
0.2968


 37.2127, 0.2055,
0.2572


 93.5152, 0.2313,
0.2763


 25.3722, 0.1930,
0.2475


 120.4910, 0.2375,
0.2807

 16.3546, 0.1774,
0.2351


 152.2116, 0.2427,
0.2843

 9.7754, 0.1577,
0.2186

 189.0615, 0.2473,
0.2875

 5.2503, 0.1321,
0.1959

231.4250, 0.2513,
0.2903

 2.3949, 0.0988,
0.1637

279.6865, 0.2549,

 0.8232, 0.0417,

0.2927

0.1189

334.2304, 0.2581,
0.2948

■ 0.0000, 0.0000,
0.0000

■ 52.2604, 0.2157,
0.2649

■ 52.2604, 0.2157,
0.2649

■ 48.2173, 0.2080,
0.2545

■ 56.8588, 0.2254,
0.2753

■ 44.6723, 0.2023,
0.2442

■ 62.0577, 0.2370,
0.2854

■ 42.0621, 0.1988,
0.2358

■ 67.8983, 0.2500,
0.2951

■ 74.4171, 0.2641,
0.3043

■ 81.6475, 0.2791,
0.3128

■ 89.6202, 0.2944,
0.3207

■ 98.3640, 0.3100,
0.3278

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

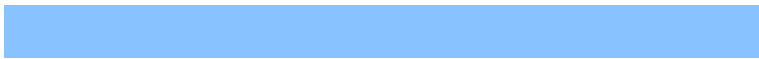
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.2604, 0.2211, 0.3055



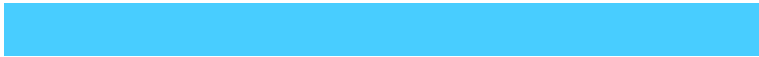
52.2604, 0.2157, 0.2649



52.2604, 0.2329, 0.2452

Triad

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



52.2604, 0.2157, 0.2649



52.2604, 0.3771, 0.2980



52.2604, 0.3487, 0.4278

Complementary

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



52.2604, 0.2157, 0.2649



35.6383, 0.5174, 0.3735

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.



52.2604, 0.3947, 0.4150



52.2604, 0.2157, 0.2649



52.2604, 0.4136, 0.3390

Square

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



52.2604, 0.2157, 0.2649



52.2604, 0.3233, 0.2651



52.2604, 0.4195, 0.3810



52.2604, 0.2953, 0.4078

Rectangle

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



52.2604, 0.2157, 0.2649



52.2604, 0.2561, 0.2436



52.2604, 0.4195, 0.3810



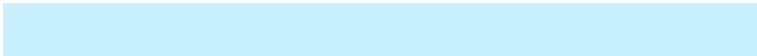
52.2604, 0.3656, 0.4268

Sweetspot

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



52.2609, 0.2157, 0.2649



81.4779, 0.2787, 0.3126



74.2716, 0.2862, 0.5077



17.0055, 0.2746, 0.3104



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.



52.2609, 0.2157, 0.2649



46.6629, 0.2053, 0.2501



20.7845, 0.1852, 0.1435



19.5929, 0.2980, 0.3224



22.2402, 0.1993, 0.2375



2.3477, 0.2026, 0.2492

Inverse Universe

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



30.2988, 0.3748, 0.2081



26.4481, 0.3911, 0.2000



68.9611, 0.4374, 0.4569



18.2107, 0.3180, 0.3119



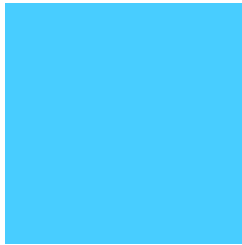
12.9731, 0.4049, 0.2004



1.2815, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 52.2604, 0.2157, 0.2649 looks on a white background.

Color Contrast Check

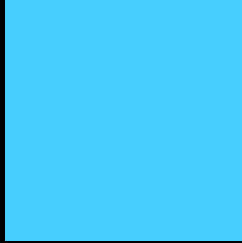
Large Text (above 18pt) WCAG AA × Fail

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 52.2604, 0.2157, 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

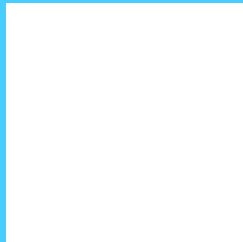
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.2604, 0.2157, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 52.2604, 0.2157, 0.2649.



This preview shows how white text looks on a background with the Yxy color 52.2604, 0.2157, 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

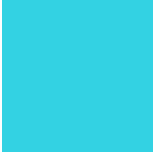
52.2604, 0.2157, 0.2649

Protanopia

51.6074, 0.2666, 0.2650

Deuteranopia

51.8444, 0.2558, 0.2511



Tritanopia

52.3430, 0.2233, 0.3054

Trichromacy



Original Color

52.2604, 0.2157, 0.2649

Protanomaly

50.7022, 0.2418, 0.2633

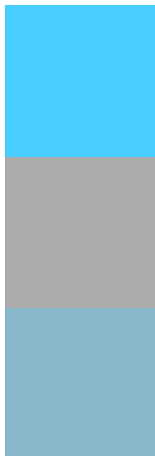
Deuteranomaly

50.9545, 0.2364, 0.2545

Tritanomaly

52.1560, 0.2204, 0.2899

Monochromacy



Original Color

52.2604, 0.2157, 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 52.2604, 0.2157, 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(72, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.2604, 0.2157, 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(72, 205, 255) }
```

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

```
.border{ border-color:rgb(72, 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(72, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2604, 0.2157, 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(72, 205, 255) }
```

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

```
.background{ background-color: rgb(72, 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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