

Converting Colors

$Yxy(42.6477, 0.2209, 0.2699)$

Have a look what the booklet for
Yxy(42.6477, 0.2209, 0.2699)
contains.

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Color

Yxy(42.7756, 0.2209, 0.2702)

Conversions

Conversions Part 1

Format	Color
Hex	4DBBE5
RGB	77, 187, 229
RGB Percent	30%, 73%, 90%
CMY	0.6984, 0.2666, 0.1018
CMYK	0.66, 0.18, 0.00, 0.10
HSL	197°, 75%, 60%
HSV	197°, 66%, 90%
XYZ	34.9709, 42.7756, 80.5644
YIQ	158.8980, -79.0420, -10.2580

Conversions

Conversions Part 2

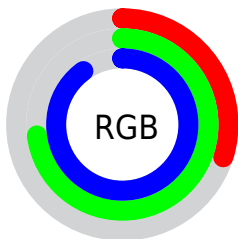
Format	Color
R _Y B	77, 141, 229
Decimal	5094373
CIE Lab	71.40, -18.45, -30.20
CIE LCh	71, 35.391, 238.576
Yxy	42.7756, 0.2209, 0.2702
Android (android.graphics.Color)	4283284453 (0xFF4DBBE5)
YUV	158.8980, 34.5603, -71.8245
Hunter-Lab	65.4031, -19.0118, -27.2521

Details

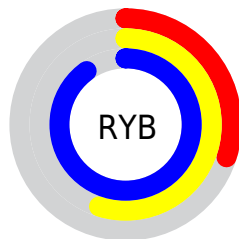
The Yxy color **42.7756, 0.2209, 0.2702** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **30.3738, 0.4946, 0.3733**, and the grayscale version is **34.4783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9839, 0.2500, 0.3151**, and **20.0673, 0.2042, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **39.3619, 0.2120, 0.2597**, and if you desaturate by 10%, it is **46.6457, 0.2317, 0.2805**.

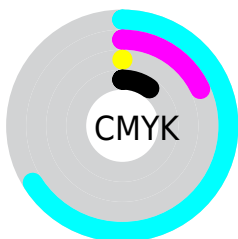
Distribution



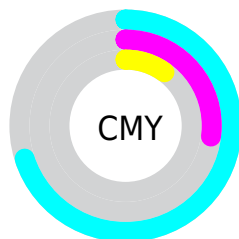
- Red (30%)
- Green (73%)
- Blue (90%)



- Red (30%)
- Yellow (55%)
- Blue (90%)



- Cyan (66%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)




- Cyan (70%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7756, 0.2209, 0.2702 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 42.7756, 0.2209, 0.2702 by changing the saturation by 10% instead.


 42.7756, 0.2209,
0.2702


 42.7756, 0.2209,
0.2702


357.6881, 0.2655,
0.3005


 29.7091, 0.2104,
0.2625


 79.3721, 0.2367,
0.2813


 19.6179, 0.1972,
0.2526


 103.6709, 0.2427,
0.2855

 12.1176, 0.1805,
0.2396


 132.4826, 0.2479,
0.2890

 6.8238, 0.1586,
0.2216

 166.1916, 0.2524,
0.2920

 3.3522, 0.1292,
0.1958

205.1822, 0.2563,
0.2946

 1.3182, 0.0893,
0.1571

249.8389, 0.2597,

 0.1553, 0.0000,

0.2968

0.0497

300.5461, 0.2627,
0.2988

0.0000, 0.0000,
0.0000

42.7756, 0.2209,
0.2702

42.7756, 0.2209,
0.2702

39.3619, 0.2120,
0.2597

46.6457, 0.2317,
0.2805

36.3615, 0.2051,
0.2493

51.0007, 0.2440,
0.2905

33.7278, 0.2002,
0.2389


55.8717, 0.2577,
0.2999

32.8462, 0.1987,
0.2353

61.2853, 0.2723,
0.3088

67.2662, 0.2874,
0.3170

 73.8371, 0.3028,
0.3246

 81.0195, 0.3182,
0.3313

 87.8479, 0.3298,
0.3375

 91.5892, 0.3291,
0.3437

Harmonies

Analogous

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



42.7756, 0.2271, 0.3093



42.7756, 0.2209, 0.2702



42.7756, 0.2363, 0.2504

Triad

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



42.7756, 0.2209, 0.2702



42.7756, 0.3712, 0.2983



42.7756, 0.3490, 0.4215

Complementary

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



42.7756, 0.2209, 0.2702



30.3738, 0.4946, 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.



42.7756, 0.3915, 0.4090



42.7756, 0.2209, 0.2702



42.7756, 0.4063, 0.3370

Square

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



42.7756, 0.2209, 0.2702



42.7756, 0.3205, 0.2675



42.7756, 0.4134, 0.3768



42.7756, 0.2988, 0.4039

Rectangle

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



42.7756, 0.2209, 0.2702



42.7756, 0.2578, 0.2482



42.7756, 0.4134, 0.3768



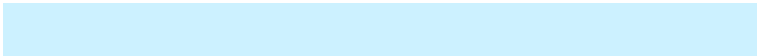
42.7756, 0.3647, 0.4203

Sweetspot

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



42.7771, 0.2209, 0.2702



82.9160, 0.2818, 0.3141



58.9254, 0.2865, 0.4919



17.2862, 0.2775, 0.3118



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.



42.7771, 0.2209, 0.2702



48.6091, 0.2090, 0.2555



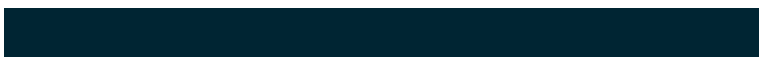
18.9096, 0.1944, 0.1595



15.6278, 0.2981, 0.3224



18.9858, 0.1991, 0.2369



1.5567, 0.2033, 0.2519

Inverse Universe

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



25.5458, 0.3689, 0.2145



27.7349, 0.3851, 0.2027



55.5746, 0.4284, 0.4505



14.5437, 0.3180, 0.3121



11.1143, 0.4055, 0.2008



0.8368, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 42.7756, 0.2209, 0.2702 looks on a white background.

Color Contrast Check

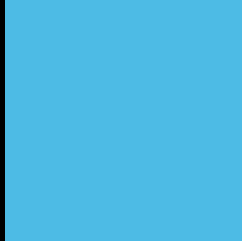
Large Text (above 18pt) WCAG AA × Fail

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 42.7756, 0.2209, 0.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

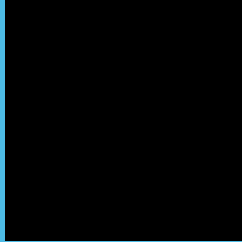
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7756, 0.2209, 0.2702

Background



This preview shows how black text looks on a background with the Yxy color 42.7756, 0.2209, 0.2702.



This preview shows how white text looks on a background with the Yxy color 42.7756, 0.2209, 0.2702.

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

42.7756, 0.2209, 0.2702

Protanopia

42.2484, 0.2698, 0.2694

Deuteranopia

42.2781, 0.2572, 0.2507



Tritanopia

42.8078, 0.2283, 0.3065

Trichromacy



Original Color

42.7756, 0.2209, 0.2702

Protanomaly

41.5435, 0.2470, 0.2682

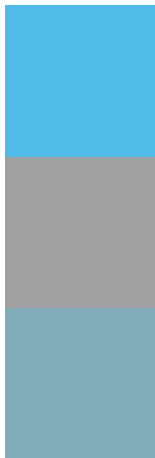
Deuteranomaly

41.9376, 0.2404, 0.2563

Tritanomaly

42.9472, 0.2259, 0.2939

Monochromacy



Original Color

42.7756, 0.2209, 0.2702

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.5038, 0.2678, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7756, 0.2209, 0.2702 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(77, 187, 229)` looks like.

```
.text, #text, p{  
    color:rgb(77, 187, 229)  
}
```

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(77, 187, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 187, 229) }
```

Border

The CSS property to change the border of an element to Yxy 42.7756, 0.2209, 0.2702 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(77, 187, 229) }
```

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

```
.border{ border-color:rgb(77, 187, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 187, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 187, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 187, 229);  
box-shadow:4px 4px 4px 4px rgb(77, 187,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7756, 0.2209, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 187, 229) }
```

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

```
.background{ background-color: rgb(77, 187,  
229) }
```

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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