

Converting Colors

$Y_{xy}(42.3885, 0.2214, 0.2671)$

Have a look what the booklet for
Yxy(42.3885, 0.2214, 0.2671)
contains.

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Color

Yxy(42.5803, 0.2215, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	51BAE6
RGB	81, 186, 230
RGB Percent	32%, 73%, 90%
CMY	0.6827, 0.2705, 0.0979
CMYK	0.65, 0.19, 0.00, 0.10
HSL	198°, 75%, 61%
HSV	198°, 65%, 90%
XYZ	35.2317, 42.5803, 81.2477
YIQ	159.6210, -76.7040, -8.5760

Conversions

Conversions Part 2

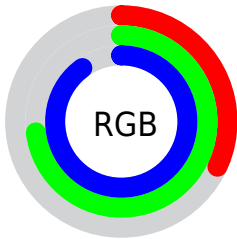
Format	Color
R _Y B	81, 143, 230
Decimal	5356262
CIE Lab	71.27, -16.99, -30.94
CIE LCh	71, 35.297, 241.229
Yxy	42.5803, 0.2215, 0.2677
Android (android.graphics.Color)	4283546342 (0xFF51BAE6)
YUV	159.6210, 34.6968, -68.9506
Hunter-Lab	65.2536, -17.8180, -28.1449

Details

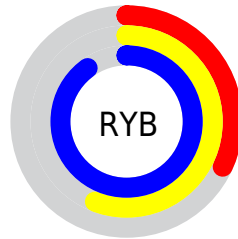
The Yxy color **42.5803, 0.2215, 0.2677** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **32.0684, 0.4860, 0.3760**, and the grayscale version is **34.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6536, 0.2511, 0.3140**, and **19.8311, 0.2032, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **38.9397, 0.2120, 0.2565**, and if you desaturate by 10%, it is **46.7038, 0.2328, 0.2787**.

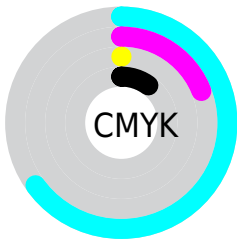
Distribution



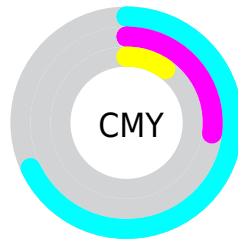
- Red (32%)
- Green (73%)
- Blue (90%)



- Red (32%)
- Yellow (56%)
- Blue (90%)



- Cyan (65%)
- Magenta (19%)
- Yellow (0%)
- Black (10%)



- Cyan (68%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5803, 0.2215, 0.2677 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 42.5803, 0.2215, 0.2677 by changing the saturation by 10% instead.

■ 42.5803, 0.2215,
0.2677

■ 42.5803, 0.2215,
0.2677

■ 356.8829, 0.2658,
0.2992

■ 29.5560, 0.2110,
0.2598

■ 79.0771, 0.2372,
0.2792

■ 19.5018, 0.1979,
0.2496

■ 103.3184, 0.2432,
0.2835

■ 12.0334, 0.1813,
0.2362

■ 132.0674, 0.2484,
0.2872

■ 6.7664, 0.1594,
0.2178

■ 165.7086, 0.2528,
0.2903

■ 3.3165, 0.1302,
0.1916

■ 204.6264, 0.2567,
0.2930

■ 1.2991, 0.0905,
0.1525

■ 249.2051, 0.2601,

■ 0.1405, 0.0000,

0.2953

0.0441

299.8291, 0.2631,
0.2973

0.0000, 0.0000,
0.0000

42.5803, 0.2215,
0.2677

42.5803, 0.2215,
0.2677

38.9397, 0.2120,
0.2565

46.7038, 0.2328,
0.2787

35.7391, 0.2045,
0.2452

51.3389, 0.2457,
0.2894


32.9337, 0.1991,
0.2341


56.5166, 0.2597,
0.2994


31.6012, 0.1968,
0.2284


62.2639, 0.2745,
0.3089

68.6056, 0.2898,
0.3175

 75.5649, 0.3053,
0.3255

 83.1636, 0.3206,
0.3326

 89.4910, 0.3289,
0.3392

 93.5715, 0.3282,
0.3457

Harmonies

Analogous

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



42.5803, 0.2257, 0.3053



42.5803, 0.2215, 0.2677



42.5803, 0.2388, 0.2497

Triad

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



42.5803, 0.2215, 0.2677



42.5803, 0.3751, 0.3015



42.5803, 0.3446, 0.4211

Complementary

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



42.5803, 0.2215, 0.2677



32.0684, 0.4860, 0.3760

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.



42.5803, 0.3883, 0.4110



42.5803, 0.2215, 0.2677



42.5803, 0.4081, 0.3406

Square

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



42.5803, 0.2215, 0.2677



42.5803, 0.3251, 0.2699



42.5803, 0.4125, 0.3801



42.5803, 0.2945, 0.4008

Rectangle

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



42.5803, 0.2215, 0.2677



42.5803, 0.2613, 0.2487



42.5803, 0.4125, 0.3801



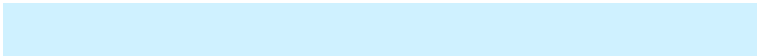
42.5803, 0.3606, 0.4208

Sweetspot

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



42.5818, 0.2215, 0.2677



83.1527, 0.2832, 0.3139



59.7904, 0.2855, 0.4840



17.3082, 0.2788, 0.3114



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.



42.5818, 0.2215, 0.2677



47.6730, 0.2091, 0.2524



19.3174, 0.1962, 0.1606



15.5801, 0.2981, 0.3219



18.1073, 0.1973, 0.2301



1.4975, 0.2018, 0.2463

Inverse Universe

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



26.2439, 0.3708, 0.2189



28.0966, 0.3878, 0.2069



57.6812, 0.4239, 0.4507



14.5389, 0.3183, 0.3126



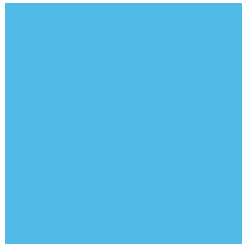
11.0257, 0.4125, 0.2046



0.8308, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 42.5803, 0.2215, 0.2677 looks on a white background.

Color Contrast Check

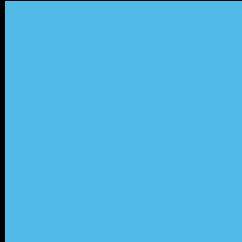
Large Text (above 18pt) WCAG AA × Fail

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 42.5803, 0.2215, 0.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

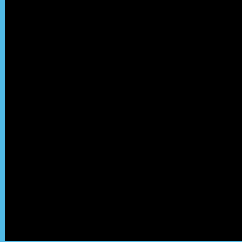
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5803, 0.2215, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 42.5803, 0.2215, 0.2677.



This preview shows how white text looks on a background with the Yxy color 42.5803, 0.2215, 0.2677.

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

42.5803, 0.2215, 0.2677

Protanopia

41.8174, 0.2683, 0.2668

Deuteranopia

42.1771, 0.2565, 0.2506



Tritanopia

42.5121, 0.2292, 0.3050

Trichromacy



Original Color

42.5803, 0.2215, 0.2677

Protanomaly

41.2839, 0.2468, 0.2657

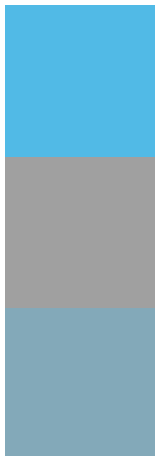
Deuteranomaly

41.5440, 0.2402, 0.2549

Tritanomaly

42.7180, 0.2264, 0.2912

Monochromacy



Original Color

42.5803, 0.2215, 0.2677

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7040, 0.2686, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5803, 0.2215, 0.2677 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(81, 186, 230)` looks like.

```
.text, #text, p{  
    color:rgb(81, 186, 230)  
}
```

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(81, 186, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 186, 230) }
```

Border

The CSS property to change the border of an element to Yxy 42.5803, 0.2215, 0.2677 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(81, 186, 230) }
```

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

```
.border{ border-color:rgb(81, 186, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 186, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 186, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 186, 230);  
box-shadow:4px 4px 4px 4px rgb(81, 186,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5803, 0.2215, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 186, 230) }
```

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

```
.background{ background-color: rgb(81, 186,  
230) }
```

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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