

Converting Colors

$Y_{xy}(42.7655, 0.2404, 0.2905)$

Have a look what the booklet for
Yxy(42.7655, 0.2404, 0.2905)
contains.

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Color

Yxy(42.5662, 0.2399, 0.2892)

Conversions

Conversions Part 1

Format	Color
Hex	6AB9D5
RGB	106, 185, 213
RGB Percent	42%, 73%, 84%
CMY	0.5840, 0.2745, 0.1647
CMYK	0.50, 0.13, 0.00, 0.16
HSL	196°, 56%, 63%
HSV	196°, 50%, 84%
XYZ	35.3099, 42.5662, 69.3099
YIQ	164.5710, -56.0720, -8.0400

Conversions

Conversions Part 2

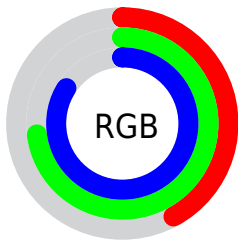
Format	Color
R _Y B	106, 151, 213
Decimal	6994389
CIE Lab	71.26, -16.68, -21.60
CIE LCh	71, 27.290, 232.318
Yxy	42.5662, 0.2399, 0.2892
Android (android.graphics.Color)	4285184469 (0xFF6AB9D5)
YUV	164.5710, 23.8755, -51.3668
Hunter-Lab	65.2428, -17.5692, -17.3161

Details

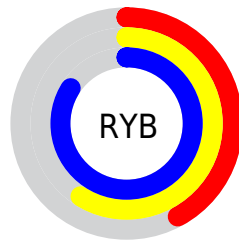
The Yxy color **42.5662, 0.2399, 0.2892** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **32.2648, 0.4350, 0.3637**, and the grayscale version is **37.3236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9171, 0.2597, 0.3132**, and **19.5290, 0.2204, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **39.1305, 0.2283, 0.2797**, and if you desaturate by 10%, it is **46.4209, 0.2529, 0.2983**.

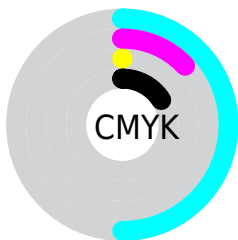
Distribution



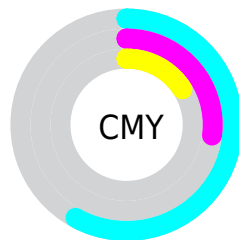
- Red (42%)
- Green (73%)
- Blue (84%)



- Red (42%)
- Yellow (59%)
- Blue (84%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5662, 0.2399, 0.2892 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 42.5662, 0.2399, 0.2892 by changing the saturation by 10% instead.

■ 42.5662, 0.2399,
0.2892

■ 42.5662, 0.2399,
0.2892

■ 356.8247, 0.2758,
0.3100

■ 29.5449, 0.2312,
0.2838

■ 79.0558, 0.2528,
0.2969

■ 19.4934, 0.2202,
0.2768

■ 103.2929, 0.2576,
0.2998

■ 12.0273, 0.2059,
0.2673

■ 132.0375, 0.2618,
0.3022

■ 6.7623, 0.1867,
0.2538

■ 165.6738, 0.2654,
0.3042

■ 3.3139, 0.1598,
0.2336

■ 204.5862, 0.2685,
0.3060

■ 1.2977, 0.1202,
0.2006

■ 249.1593, 0.2712,

■ 0.1394, 0.0000,

0.3075

0.0703

299.7773, 0.2736,
0.3088

0.0000, 0.0000,
0.0000

42.5662, 0.2399,
0.2892

42.5662, 0.2399,
0.2892

39.1305, 0.2283,
0.2797

46.4209, 0.2529,
0.2983

36.0836, 0.2184,
0.2700

50.7127, 0.2670,
0.3069

33.3980, 0.2105,
0.2601

55.4643, 0.2818,
0.3149


31.0396, 0.2045,
0.2503

60.6952, 0.2971,
0.3222


28.9864, 0.2002,
0.2408

66.4235, 0.3124,
0.3289

 72.6665, 0.3276,
0.3349

 79.4061, 0.3424,
0.3402

 82.4563, 0.3415,
0.3458

 85.6059, 0.3406,
0.3512

Harmonies

Analogous

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



42.5662, 0.2488, 0.3224



42.5662, 0.2399, 0.2892



42.5662, 0.2487, 0.2695

Triad

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



42.5662, 0.2399, 0.2892



42.5662, 0.3504, 0.2994



42.5662, 0.3494, 0.3997

Complementary

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



42.5662, 0.2399, 0.2892



32.2648, 0.4350, 0.3637

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.



42.5662, 0.3793, 0.3877



42.5662, 0.2399, 0.2892



42.5662, 0.3807, 0.3296

Square

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



42.5662, 0.2399, 0.2892



42.5662, 0.3107, 0.2765



42.5662, 0.3913, 0.3615



42.5662, 0.3108, 0.3904

Rectangle

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



42.5662, 0.2399, 0.2892



42.5662, 0.2639, 0.2651



42.5662, 0.3913, 0.3615



42.5662, 0.3609, 0.3979

Sweetspot

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



42.5678, 0.2399, 0.2892



87.2254, 0.2895, 0.3187



52.3491, 0.2909, 0.4484



18.3149, 0.2862, 0.3171



0.0000, 0.0000, 0.0000



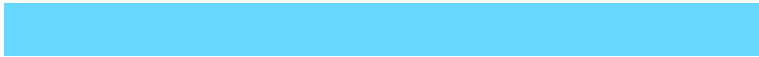
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5678, 0.2399, 0.2892



58.6024, 0.2279, 0.2793



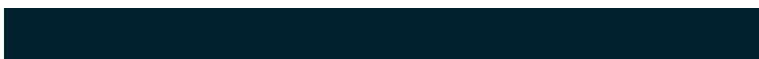
24.5960, 0.2245, 0.2098



13.5316, 0.2982, 0.3227



17.8789, 0.2006, 0.2422



1.2096, 0.2053, 0.2590

Inverse Universe

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



27.9733, 0.3492, 0.2362



35.6647, 0.3596, 0.2202



50.4229, 0.4007, 0.4238



12.5746, 0.3177, 0.3120



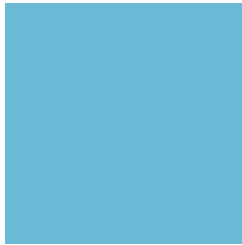
10.1497, 0.4000, 0.1977



0.6254, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 42.5662, 0.2399, 0.2892 looks on a white background.

Color Contrast Check

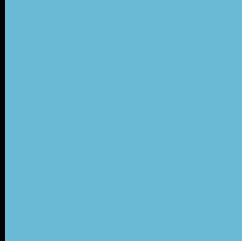
Large Text (above 18pt) WCAG AA × Fail

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 42.5662, 0.2399, 0.2892 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 42.5662, 0.2399, 0.2892

Background



This preview shows how black text looks on a background with the Yxy color 42.5662, 0.2399, 0.2892.



This preview shows how white text looks on a background with the Yxy color 42.5662, 0.2399, 0.2892.

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

42.5662, 0.2399, 0.2892

Protanopia

42.0802, 0.2834, 0.2868

Deuteranopia

42.1423, 0.2763, 0.2700



Tritanopia

42.6297, 0.2442, 0.3070

Trichromacy



Original Color

42.5662, 0.2399, 0.2892

Protanomaly

41.9690, 0.2653, 0.2880

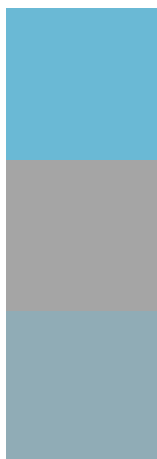
Deuteranomaly

41.6772, 0.2606, 0.2753

Tritanomaly

42.4576, 0.2423, 0.3000

Monochromacy



Original Color

42.5662, 0.2399, 0.2892

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.8117, 0.2811, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5662, 0.2399, 0.2892 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(106, 185, 213)` looks like.

```
.text, #text, p{  
    color:rgb(106, 185, 213)  
}
```

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(106, 185, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 185, 213) }
```

Border

The CSS property to change the border of an element to Yxy 42.5662, 0.2399, 0.2892 is called "border". The border property can be set on classes, ids or directly on the HTML element.

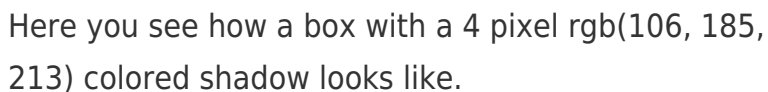
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 185, 213) }
```

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

```
.border{ border-color:rgb(106, 185, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 185, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 185, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 185, 213); box-shadow:4px 4px 4px 4px rgb(106, 185, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5662, 0.2399, 0.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 185, 213) }
```

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

```
.background{ background-color: rgb(106,  
185, 213) }
```

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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