

Converting Colors

$Yxy(52.9566, 0.2407, 0.3074)$

Have a look what the booklet for
Yxy(52.9566, 0.2407, 0.3074)
contains.

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Color

Yxy(52.9566, 0.2407, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	69CFDF
RGB	105, 207, 223
RGB Percent	41%, 81%, 87%
CMY	0.5879, 0.1883, 0.1255
CMYK	0.53, 0.07, 0.00, 0.13
HSL	188°, 65%, 64%
HSV	188°, 53%, 87%
XYZ	41.4660, 52.9566, 77.8500
YIQ	178.3260, -65.9280, -16.6480

Conversions

Conversions Part 2

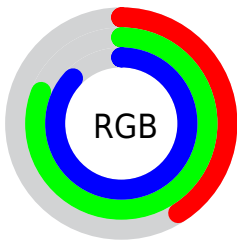
Format	Color
RYB	105, 160, 223
Decimal	6934495
CIELab	77.85, -25.31, -17.03
CIElCh	78, 30.503, 213.939
Yxy	52.9566, 0.2407, 0.3074
Android (android.graphics.Color)	4285124575 (0xFF69CFDF)
YUV	178.3260, 22.0243, -64.3069
Hunter-Lab	72.7713, -25.6381, -12.4879

Details

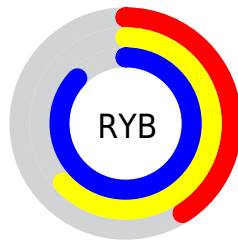
The Yxy color **52.9566, 0.2407, 0.3074** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.4118, 0.4558, 0.3479**, and the grayscale version is **44.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **25.6769, 0.2223, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **50.3259, 0.2313, 0.3027**, and if you desaturate by 10%, it is **55.9736, 0.2519, 0.3120**.

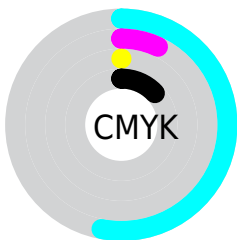
Distribution



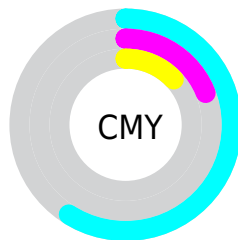
- Red (41%)
- Green (81%)
- Blue (87%)



- Red (41%)
- Yellow (63%)
- Blue (87%)



- Cyan (53%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)




- Cyan (59%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9566, 0.2407, 0.3074 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 52.9566, 0.2407, 0.3074 by changing the saturation by 10% instead.


 52.9566, 0.2407,
0.3074

 52.9566, 0.2407,
0.3074


398.1186, 0.2749,
0.3189

 37.7681, 0.2327,
0.3044


 94.5405, 0.2527,
0.3117

 25.8028, 0.2227,
0.3005


 121.7047, 0.2574,
0.3133

 16.6762, 0.2101,
0.2952


 153.6296, 0.2613,
0.3146

 10.0039, 0.1934,
0.2876

190.6997, 0.2648,
0.3157

 5.4015, 0.1706,
0.2762

233.2992, 0.2678,
0.3167

 2.4847, 0.1382,
0.2575

281.8126, 0.2705,

 0.8690, 0.0555,

0.3175

0.2315

336.6242, 0.2728,
0.3182

■ 0.0000, 0.0000,
0.0000

■ 52.9566, 0.2407,
0.3074

■ 52.9566, 0.2407,
0.3074

■ 50.3259, 0.2313,
0.3027

■ 55.9736, 0.2519,
0.3120

■ 48.0469, 0.2237,
0.2978

■ 59.3962, 0.2645,
0.3164

■ 46.0890, 0.2181,
0.2930

■ 63.2496, 0.2783,
0.3206

■ 44.4126, 0.2143,
0.2882

■ 67.5549, 0.2930,
0.3245

■ 43.3437, 0.2125,
0.2849

■ 72.3320, 0.3083,
0.3280

■ 77.5994, 0.3238,
0.3313

■ 82.1799, 0.3350,
0.3342

■ 83.8627, 0.3346,
0.3372

■ 85.5749, 0.3342,
0.3402

Harmonies

Analogous

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



52.9566, 0.2607, 0.3468



52.9566, 0.2407, 0.3074



52.9566, 0.2386, 0.2778

Triad

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



52.9566, 0.2407, 0.3074



52.9566, 0.3269, 0.2825



52.9566, 0.3715, 0.3970

Complementary

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



52.9566, 0.2407, 0.3074



30.4118, 0.4558, 0.3479

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.



52.9566, 0.3922, 0.3742



52.9566, 0.2407, 0.3074



52.9566, 0.3660, 0.3097

Square

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



52.9566, 0.2407, 0.3074



52.9566, 0.2861, 0.2660



52.9566, 0.3905, 0.3424



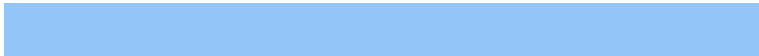
52.9566, 0.3356, 0.4017

Rectangle

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



52.9566, 0.2407, 0.3074



52.9566, 0.2474, 0.2666



52.9566, 0.3905, 0.3424



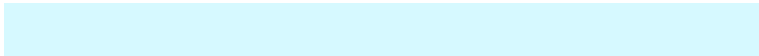
52.9566, 0.3806, 0.3910

Sweetspot

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



52.9586, 0.2407, 0.3074



89.5818, 0.2882, 0.3232



57.1626, 0.2972, 0.4763



18.9133, 0.2851, 0.3224



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.



52.9586, 0.2407, 0.3074



67.9997, 0.2307, 0.3024



29.6203, 0.2234, 0.2221



15.2382, 0.2982, 0.3257



25.6070, 0.2127, 0.2856



1.8639, 0.2147, 0.2929

Inverse Universe

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



30.3160, 0.3352, 0.2173



35.2215, 0.3408, 0.2000



49.2607, 0.4146, 0.4146



13.9019, 0.3158, 0.3090



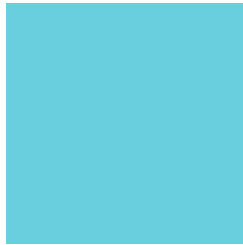
11.4931, 0.3583, 0.1748



0.8056, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 52.9566, 0.2407, 0.3074 looks on a white background.

Color Contrast Check

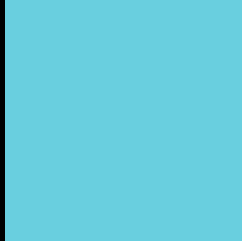
Large Text (above 18pt) WCAG AA × Fail

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 52.9566, 0.2407, 0.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

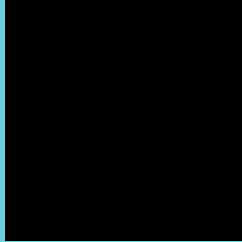
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9566, 0.2407, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 52.9566, 0.2407, 0.3074.



This preview shows how white text looks on a background with the Yxy color 52.9566, 0.2407, 0.3074.

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

52.9566, 0.2407, 0.3074

Protanopia

52.3992, 0.2958, 0.3022

Deuteranopia

52.2932, 0.2875, 0.2817



Tritanopia

53.0107, 0.2402, 0.3061

Trichromacy



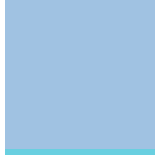
Original Color

52.9566, 0.2407, 0.3074



Protanomaly

51.7068, 0.2713, 0.3034



Deuteranomaly

51.5481, 0.2663, 0.2888



Tritanomaly

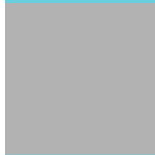
53.0107, 0.2402, 0.3061

Monochromacy



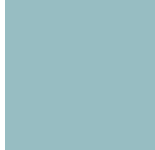
Original Color

52.9566, 0.2407, 0.3074



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.8695, 0.2797, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9566, 0.2407, 0.3074 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(105, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(105, 207, 223)  
}
```

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(105, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 207, 223) }
```

Border

The CSS property to change the border of an element to Yxy 52.9566, 0.2407, 0.3074 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(105, 207, 223) }
```

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

```
.border{ border-color:rgb(105, 207, 223) }
```

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

Here you see how a box with a 4 pixel rgb(105, 207, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 207, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 207, 223);  
box-shadow:4px 4px 4px 4px rgb(105, 207,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9566, 0.2407, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 207, 223) }
```

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

```
.background{ background-color: rgb(105,  
207, 223) }
```

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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