

Converting Colors

$Y_{xy}(52.1228, 0.2385, 0.3058)$

Have a look what the booklet for
Yxy(52.1228, 0.2385, 0.3058)
contains.

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Color

$\text{Yxy}(52.2370, 0.2387, 0.3059)$

Conversions

Conversions Part 1

Format	Color
Hex	65CEDF
RGB	101, 206, 223
RGB Percent	40%, 81%, 87%
CMY	0.6038, 0.1922, 0.1254
CMYK	0.55, 0.08, 0.00, 0.13
HSL	188°, 66%, 64%
HSV	188°, 55%, 87%
XYZ	40.7616, 52.2370, 77.7664
YIQ	176.5430, -68.0370, -16.9730

Conversions

Conversions Part 2

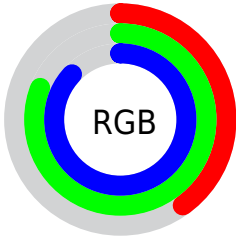
Format	Color
RYB	101, 157, 223
Decimal	6672095
CIELab	77.42, -25.62, -17.70
CIELCh	77, 31.145, 214.637
Yxy	52.2370, 0.2387, 0.3059
Android (android.graphics.Color)	4284862175 (0xFF65CEDF)
YUV	176.5430, 22.9033, -66.2512
Hunter-Lab	72.2752, -25.8115, -13.2020

Details

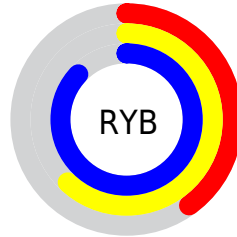
The Yxy color **52.2370, 0.2387, 0.3059** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6015, 0.4629, 0.3489**, and the grayscale version is **43.6230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **25.2216, 0.2198, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **49.6371, 0.2295, 0.3010**, and if you desaturate by 10%, it is **55.2198, 0.2496, 0.3107**.

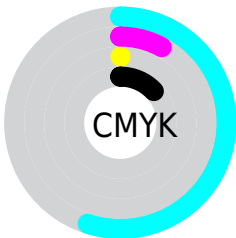
Distribution



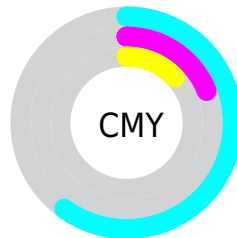
- Red (40%)
- Green (81%)
- Blue (87%)



- Red (40%)
- Yellow (62%)
- Blue (87%)



- Cyan (55%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (60%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2370, 0.2387, 0.3059 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 52.2370, 0.2387, 0.3059 by changing the saturation by 10% instead.

52.2370, 0.2387,
0.3059

52.2370, 0.2387,
0.3059

395.3509, 0.2739,
0.3182

37.1940, 0.2305,
0.3027

93.4807, 0.2511,
0.3105

25.3577, 0.2202,
0.2985

120.4501, 0.2559,
0.3122

16.3438, 0.2071,
0.2928

152.1639, 0.2600,
0.3136

9.7678, 0.1900,
0.2847

189.0064, 0.2635,
0.3148

5.2452, 0.1665,
0.2725

231.3619, 0.2666,
0.3158

2.3919, 0.1334,
0.2525

279.6149, 0.2693,

0.8217, 0.0427,

0.3167

0.2255

334.1498, 0.2718,
0.3175

0.0000, 0.0000,
0.0000

52.2370, 0.2387,
0.3059

52.2370, 0.2387,
0.3059

49.6371, 0.2295,
0.3010

55.2198, 0.2496,
0.3107

47.3850, 0.2223,
0.2960

58.6055, 0.2620,
0.3153

45.4489, 0.2169,
0.2911

62.4195, 0.2757,
0.3196

43.7876, 0.2135,
0.2862

66.6835, 0.2903,
0.3236

42.9834, 0.2121,
0.2836

71.4175, 0.3054,
0.3274

76.6402, 0.3209,
0.3308

81.9612, 0.3350,
0.3338

83.6876, 0.3346,
0.3369

85.4449, 0.3342,
0.3400

Harmonies

Analogous

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



52.2370, 0.2587, 0.3463



52.2370, 0.2387, 0.3059



52.2370, 0.2370, 0.2759

Triad

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



52.2370, 0.2387, 0.3059



52.2370, 0.3282, 0.2820



52.2370, 0.3723, 0.3991

Complementary

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



52.2370, 0.2387, 0.3059



29.6015, 0.4629, 0.3489

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.



52.2370, 0.3940, 0.3759



52.2370, 0.2387, 0.3059



52.2370, 0.3681, 0.3100

Square

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



52.2370, 0.2387, 0.3059



52.2370, 0.2863, 0.2648



52.2370, 0.3928, 0.3435



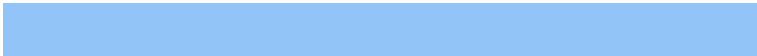
52.2370, 0.3352, 0.4036

Rectangle

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



52.2370, 0.2387, 0.3059



52.2370, 0.2463, 0.2648



52.2370, 0.3928, 0.3435



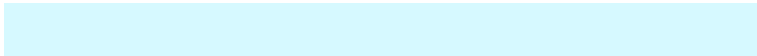
52.2370, 0.3817, 0.3930

Sweetspot

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



52.2390, 0.2387, 0.3059



89.4862, 0.2882, 0.3231



56.8501, 0.2968, 0.4822



18.8902, 0.2851, 0.3223



0.0000, 0.0000, 0.0000



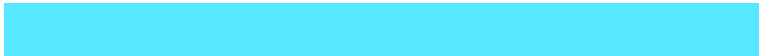
21.4041, 0.3127, 0.3290

Same Dimension

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



52.2390, 0.2387, 0.3059



66.6680, 0.2281, 0.3001



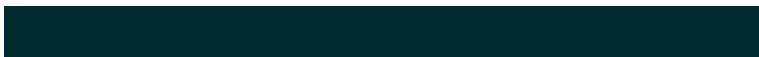
28.5800, 0.2203, 0.2176



15.2290, 0.2982, 0.3256



25.3914, 0.2123, 0.2843



1.8509, 0.2144, 0.2919

Inverse Universe

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



29.4600, 0.3367, 0.2145



33.8261, 0.3430, 0.1963



48.5900, 0.4187, 0.4171



13.9010, 0.3159, 0.3091



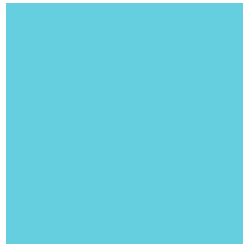
11.4713, 0.3595, 0.1754



0.8043, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 52.2370, 0.2387, 0.3059 looks on a white background.

Color Contrast Check

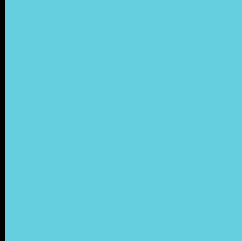
Large Text (above 18pt) WCAG AA × Fail

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 52.2370, 0.2387, 0.3059 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 52.2370, 0.2387, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 52.2370, 0.2387, 0.3059.



This preview shows how white text looks on a background with the Yxy color 52.2370, 0.2387, 0.3059.

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

52.2370, 0.2387, 0.3059

Protanopia

51.7135, 0.2942, 0.3008

Deuteranopia

51.6110, 0.2860, 0.2803



Tritanopia

52.2370, 0.2387, 0.3059

Trichromacy



Original Color

52.2370, 0.2387, 0.3059

Protanomaly

51.0560, 0.2698, 0.3019

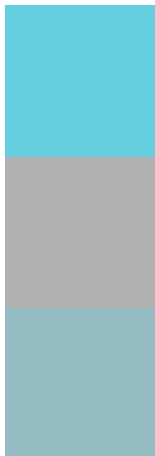
Deuteranomaly

50.9000, 0.2648, 0.2874

Tritanomaly

52.2370, 0.2387, 0.3059

Monochromacy



Original Color

52.2370, 0.2387, 0.3059

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.2510, 0.2782, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2370, 0.2387, 0.3059 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(101, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(101, 206, 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(101, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 206, 223) }
```

Border

The CSS property to change the border of an element to Yxy 52.2370, 0.2387, 0.3059 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(101, 206, 223) }
```

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

```
.border{ border-color:rgb(101, 206, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 206, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 206, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 206, 223);  
box-shadow:4px 4px 4px 4px rgb(101, 206,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2370, 0.2387, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 206, 223) }
```

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

```
.background{ background-color: rgb(101,  
206, 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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