

Converting Colors

Yxy(51.8927, 0.2542, 0.3004)

Have a look what the booklet for
Yxy(51.8927, 0.2542, 0.3004)
contains.

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Color

Yxy(51.7334, 0.2543, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	87C8DE
RGB	135, 200, 222
RGB Percent	53%, 78%, 87%
CMY	0.4708, 0.2156, 0.1295
CMYK	0.39, 0.10, 0.00, 0.13
HSL	195°, 57%, 70%
HSV	195°, 39%, 87%
XYZ	43.8235, 51.7334, 76.7729
YIQ	183.0730, -45.8020, -6.9380

Conversions

Conversions Part 2

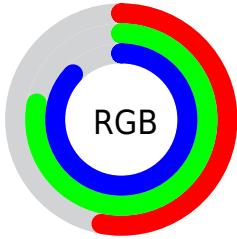
Format	Color
RYB	135, 172, 222
Decimal	8898782
CIELab	77.12, -15.11, -17.46
CIElCh	77, 23.090, 229.117
Yxy	51.7334, 0.2543, 0.3002
Android (android.graphics.Color)	4287088862 (0xFF87C8DE)
YUV	183.0730, 19.1910, -42.1600
Hunter-Lab	71.9259, -17.1128, -12.9373

Details

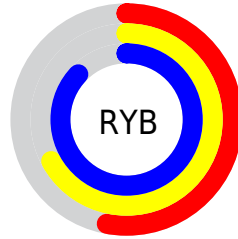
The Yxy color **51.7334, 0.2543, 0.3002** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3653, 0.4000, 0.3556**, and the grayscale version is **47.3032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **25.0533, 0.2393, 0.2916** is the 20% darker color. If you saturate the color by 10%, you get **47.5339, 0.2413, 0.2915**, and if you desaturate by 10%, it is **56.4160, 0.2684, 0.3084**.

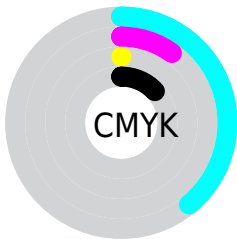
Distribution



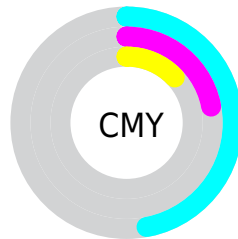
- Red (53%)
- Green (78%)
- Blue (87%)



- Red (53%)
- Yellow (67%)
- Blue (87%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7334, 0.2543, 0.3002 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 51.7334, 0.2543, 0.3002 by changing the saturation by 10% instead.


 51.7334, 0.2543,
0.3002


 51.7334, 0.2543,
0.3002


393.4065, 0.2824,
0.3148


 36.7926, 0.2477,
0.2965


 92.7379, 0.2642,
0.3055

 25.0470, 0.2393,
0.2918


 119.5705, 0.2680,
0.3075

 16.1120, 0.2286,
0.2855


 151.1358, 0.2713,
0.3092

 9.6035, 0.2144,
0.2769

187.8181, 0.2741,
0.3107

 5.1369, 0.1946,
0.2641

230.0020, 0.2766,
0.3119

 2.3278, 0.1656,
0.2437

278.0717, 0.2787,

 0.7884, 0.1019,

0.3130

0.2112

332.4118, 0.2806,
0.3140

0.0000, 0.0000,
0.0000

51.7334, 0.2543,
0.3002

51.7334, 0.2543,
0.3002

47.5339, 0.2413,
0.2915

56.4160, 0.2684,
0.3084

43.7862, 0.2296,
0.2824

61.5984, 0.2833,
0.3161

40.4648, 0.2197,
0.2730

67.3042, 0.2985,
0.3231

37.5379, 0.2117,
0.2635

73.5530, 0.3139,
0.3295

34.9686, 0.2057,
0.2541

80.3638, 0.3292,
0.3352

■ 32.6978, 0.2014,
0.2447

■ 85.1747, 0.3349,
0.3406

■ 32.5243, 0.2011,
0.2440

■ 88.4102, 0.3342,
0.3461

■ 91.7475, 0.3335,
0.3515

■ 95.1875, 0.3327,
0.3569

Harmonies

Analogous

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



51.7334, 0.2632, 0.3275



51.7334, 0.2543, 0.3002



51.7334, 0.2600, 0.2826

Triad

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



51.7334, 0.2543, 0.3002



51.7334, 0.3396, 0.3030



51.7334, 0.3453, 0.3846

Complementary

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



51.7334, 0.2543, 0.3002



41.3653, 0.4000, 0.3556

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.



51.7334, 0.3675, 0.3743



51.7334, 0.2543, 0.3002



51.7334, 0.3645, 0.3272

Square

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



51.7334, 0.2543, 0.3002



51.7334, 0.3080, 0.2852



51.7334, 0.3749, 0.3530



51.7334, 0.3149, 0.3786

Rectangle

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



51.7334, 0.2543, 0.3002



51.7334, 0.2714, 0.2779



51.7334, 0.3749, 0.3530



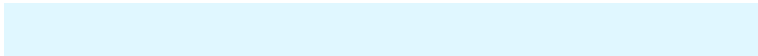
51.7334, 0.3540, 0.3828

Sweetspot

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



51.7354, 0.2543, 0.3002



89.8207, 0.2941, 0.3211



59.8073, 0.2947, 0.4180



19.0022, 0.2921, 0.3202



0.0000, 0.0000, 0.0000



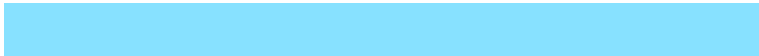
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7354, 0.2543, 0.3002



66.0940, 0.2436, 0.2931



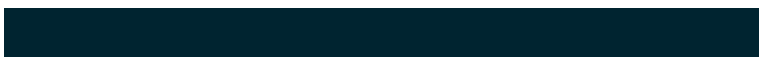
34.4375, 0.2451, 0.2400



14.9557, 0.2982, 0.3229



19.5073, 0.2015, 0.2454



1.4921, 0.2055, 0.2598

Inverse Universe

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



37.0138, 0.3384, 0.2545



44.0520, 0.3455, 0.2398



58.6903, 0.3801, 0.4042



13.8734, 0.3176, 0.3116



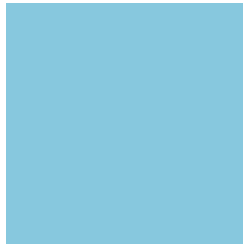
10.8773, 0.3968, 0.1960



0.7681, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 51.7334, 0.2543, 0.3002 looks on a white background.

Color Contrast Check

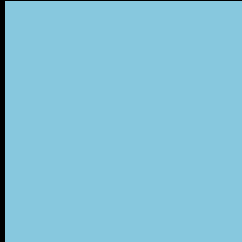
Large Text (above 18pt) WCAG AA × Fail

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 51.7334, 0.2543, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

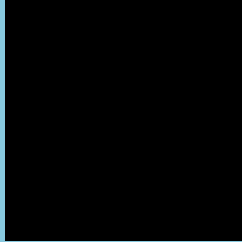
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7334, 0.2543, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 51.7334, 0.2543, 0.3002.



This preview shows how white text looks on a background with the Yxy color 51.7334, 0.2543, 0.3002.

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

51.7334, 0.2543, 0.3002

Protanopia

51.2606, 0.2920, 0.2972

Deuteranopia

51.2105, 0.2881, 0.2814



Tritanopia

51.8514, 0.2567, 0.3078

Trichromacy



Original Color

51.7334, 0.2543, 0.3002

Protanomaly

50.9245, 0.2763, 0.2974

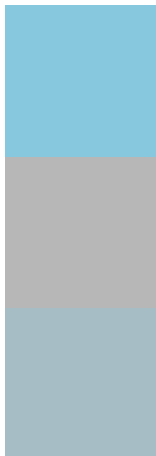
Deuteranomaly

50.8667, 0.2745, 0.2869

Tritanomaly

51.9561, 0.2556, 0.3052

Monochromacy



Original Color

51.7334, 0.2543, 0.3002

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.5334, 0.2887, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7334, 0.2543, 0.3002 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(135, 200, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 222)  
}
```

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(135, 200, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 222) }
```

Border

The CSS property to change the border of an element to Yxy 51.7334, 0.2543, 0.3002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

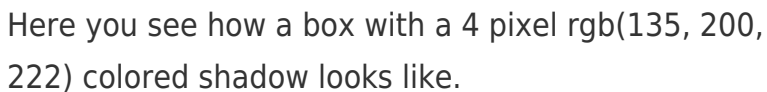
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 200, 222) }
```

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

```
.border{ border-color:rgb(135, 200, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 200, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 200, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 200, 222); box-shadow:4px 4px 4px 4px rgb(135, 200, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7334, 0.2543, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 222) }
```

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

```
.background{ background-color: rgb(135,  
200, 222) }
```

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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