

Converting Colors

$Y_{xy}(51.5123, 0.2782, 0.3171)$

Have a look what the booklet for
Yxy(51.5123, 0.2782, 0.3171)
contains.

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Color

Yxy(51.7597, 0.2783, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	9FC5CE
RGB	159, 197, 206
RGB Percent	62%, 77%, 81%
CMY	0.3763, 0.2275, 0.1921
CMYK	0.23, 0.04, 0.00, 0.19
HSL	192°, 32%, 72%
HSV	192°, 23%, 81%
XYZ	45.4121, 51.7597, 66.0050
YIQ	186.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

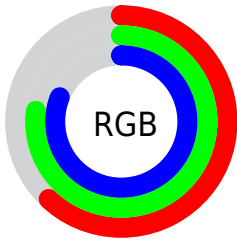
Format	Color
RYB	159, 180, 206
Decimal	10470862
CIELab	77.14, -10.57, -8.68
CIELCh	77, 13.679, 219.412
Yxy	51.7597, 0.2783, 0.3172
Android (android.graphics.Color)	4288660942 (0xFF9FC5CE)
YUV	186.6640, 9.5326, -24.2613
Hunter-Lab	71.9442, -13.2309, -4.0345

Details

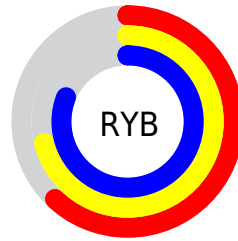
The Yxy color **51.7597, 0.2783, 0.3172** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6598, 0.3567, 0.3405**, and the grayscale version is **49.4562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3998, 0.2882, 0.3279**, and **24.9761, 0.2686, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **48.0528, 0.2641, 0.3113**, and if you desaturate by 10%, it is **55.8691, 0.2932, 0.3227**.

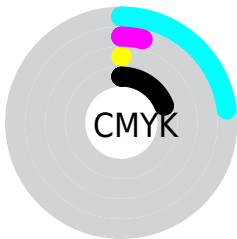
Distribution



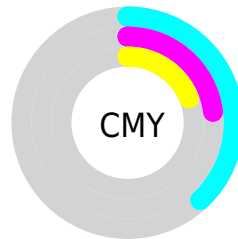
- Red (62%)
- Green (77%)
- Blue (81%)



- Red (62%)
- Yellow (71%)
- Blue (81%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)





- Cyan (38%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7597, 0.2783, 0.3172 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 51.7597, 0.2783, 0.3172 by changing the saturation by 10% instead.

 51.7597, 0.2783,
0.3172


 51.7597, 0.2783,
0.3172


393.5082, 0.2950,
0.3232

 36.8136, 0.2743,
0.3157


 92.7768, 0.2843,
0.3194

 25.0632, 0.2692,
0.3137


 119.6165, 0.2865,
0.3202

 16.1241, 0.2625,
0.3111


151.1895, 0.2885,
0.3209

 9.6120, 0.2535,
0.3073

187.8802, 0.2901,
0.3215

 5.1425, 0.2406,
0.3018

230.0731, 0.2916,
0.3220

 2.3311, 0.2207,
0.2924

278.1524, 0.2929,

 0.7901, 0.1734,

0.3225

0.2779

332.5027, 0.2940,
0.3229

0.0000, 0.0000,
0.0000

51.7597, 0.2783,
0.3172

51.7597, 0.2783,
0.3172

48.0528, 0.2641,
0.3113

55.8691, 0.2932,
0.3227

44.7244, 0.2510,
0.3050

60.3913, 0.3084,
0.3277

41.7573, 0.2392,
0.2984

65.3438, 0.3238,
0.3322

39.1305, 0.2290,
0.2916

70.7413, 0.3390,
0.3363

36.8203, 0.2206,
0.2846

75.2365, 0.3487,
0.3401

■ 34.7997, 0.2141,
0.2776

■ 77.2999, 0.3479,
0.3440

■ 33.0361, 0.2096,
0.2707

■ 79.4126, 0.3472,
0.3480

■ 31.8857, 0.2072,
0.2657

■ 81.5749, 0.3465,
0.3519

■ 83.7872, 0.3457,
0.3558

Harmonies

Analogous

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



51.7597, 0.2866, 0.3341



51.7597, 0.2783, 0.3172



51.7597, 0.2789, 0.3042

Triad

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



51.7597, 0.2783, 0.3172



51.7597, 0.3229, 0.3092



51.7597, 0.3373, 0.3608

Complementary

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



51.7597, 0.2783, 0.3172



43.6598, 0.3567, 0.3405

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.



51.7597, 0.3476, 0.3529



51.7597, 0.2783, 0.3172



51.7597, 0.3393, 0.3233

Square

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



51.7597, 0.2783, 0.3172



51.7597, 0.3042, 0.3001



51.7597, 0.3484, 0.3391



51.7597, 0.3204, 0.3600

Rectangle

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



51.7597, 0.2783, 0.3172



51.7597, 0.2842, 0.2993



51.7597, 0.3484, 0.3391



51.7597, 0.3416, 0.3591

Sweetspot

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



51.7618, 0.2783, 0.3172



94.6009, 0.3018, 0.3256



54.3435, 0.3040, 0.3805



20.1523, 0.3009, 0.3253



0.0000, 0.0000, 0.0000



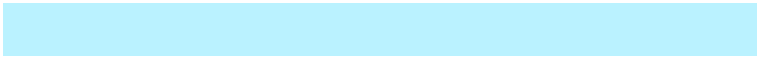
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7618, 0.2783, 0.3172



81.0436, 0.2718, 0.3146



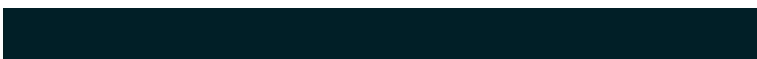
42.0715, 0.2759, 0.2861



12.3463, 0.2983, 0.3244



19.7647, 0.2074, 0.2667



1.1162, 0.2112, 0.2802

Inverse Universe

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



41.9648, 0.3233, 0.2830



62.8379, 0.3258, 0.2736



52.9549, 0.3506, 0.3685



11.3653, 0.3167, 0.3105



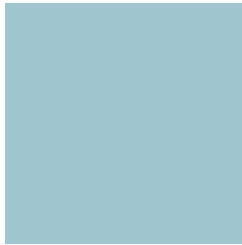
9.7982, 0.3759, 0.1845



0.5152, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 51.7597, 0.2783, 0.3172 looks on a white background.

Color Contrast Check

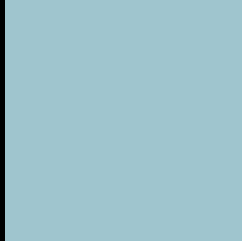
Large Text (above 18pt) WCAG AA × Fail

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 51.7597, 0.2783, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

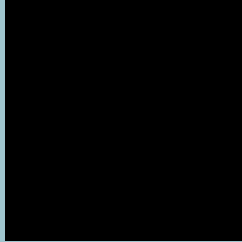
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

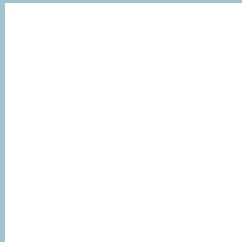
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7597, 0.2783, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 51.7597, 0.2783, 0.3172.



This preview shows how white text looks on a background with the Yxy color 51.7597, 0.2783, 0.3172.

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

51.7597, 0.2783, 0.3172

Protanopia

51.5594, 0.3045, 0.3142

Deuteranopia

51.5807, 0.3067, 0.3003



Tritanopia

51.7069, 0.2751, 0.3084

Trichromacy



Original Color

51.7597, 0.2783, 0.3172

Protanomaly

51.5948, 0.2945, 0.3151

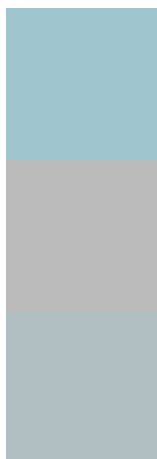
Deuteranomaly

51.2635, 0.2955, 0.3055

Tritanomaly

51.6066, 0.2763, 0.3109

Monochromacy



Original Color

51.7597, 0.2783, 0.3172

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.5038, 0.2993, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7597, 0.2783, 0.3172 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(159, 197, 206)` looks like.

```
.text, #text, p{  
    color:rgb(159, 197, 206)  
}
```

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(159, 197, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 197, 206) }
```

Border

The CSS property to change the border of an element to Yxy 51.7597, 0.2783, 0.3172 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(159, 197, 206) }
```

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

```
.border{ border-color:rgb(159, 197, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 197, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 197, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 197, 206);  
box-shadow:4px 4px 4px 4px rgb(159, 197,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7597, 0.2783, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 197, 206) }
```

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

```
.background{ background-color: rgb(159,  
197, 206) }
```

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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