

Converting Colors

Yxy(51.6695, 0.2738, 0.3164)

Have a look what the booklet for
Yxy(51.6695, 0.2738, 0.3164)
contains.

Yxy(51.7632, 0.2744, 0.3172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7632, 0.2744, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	9AC6CF
RGB	154, 198, 207
RGB Percent	60%, 78%, 81%
CMY	0.3961, 0.2235, 0.1883
CMYK	0.26, 0.04, 0.00, 0.19
HSL	190°, 36%, 71%
HSV	190°, 26%, 81%
XYZ	44.7788, 51.7632, 66.6459
YIQ	185.8700, -29.1130, -6.5290

Conversions

Conversions Part 2

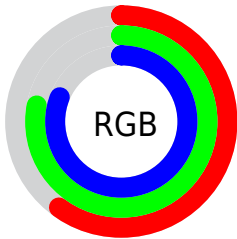
Format	Color
RYB	154, 178, 207
Decimal	10143439
CIELab	77.14, -12.40, -9.23
CIELCh	77, 15.459, 216.647
Yxy	51.7632, 0.2744, 0.3172
Android (android.graphics.Color)	4288333519 (0xFF9AC6CF)
YUV	185.8700, 10.4171, -27.9500
Hunter-Lab	71.9466, -14.8103, -4.5591

Details

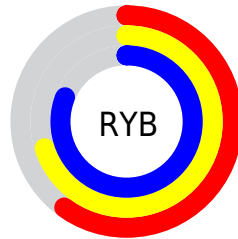
The Yxy color **51.7632, 0.2744, 0.3172** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7736, 0.3639, 0.3405**, and the grayscale version is **48.9784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **25.0131, 0.2638, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **48.3238, 0.2607, 0.3119**, and if you desaturate by 10%, it is **55.5939, 0.2890, 0.3221**.

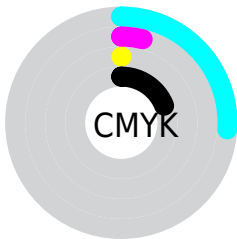
Distribution



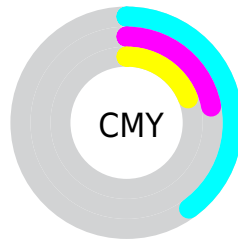
- Red (60%)
- Green (78%)
- Blue (81%)



- Red (60%)
- Yellow (70%)
- Blue (81%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)





- Cyan (40%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7632, 0.2744, 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 51.7632, 0.2744, 0.3172 by changing the saturation by 10% instead.


 51.7632, 0.2744,
0.3172


 51.7632, 0.2744,
0.3172


393.5217, 0.2930,
0.3233

 36.8164, 0.2699,
0.3156


 92.7819, 0.2810,
0.3194

 25.0653, 0.2643,
0.3136


 119.6226, 0.2836,
0.3203

 16.1257, 0.2569,
0.3109


151.1966, 0.2857,
0.3210

 9.6132, 0.2470,
0.3071

187.8885, 0.2876,
0.3216

 5.1432, 0.2328,
0.3013

230.0825, 0.2892,
0.3221

 2.3316, 0.2110,
0.2916

278.1632, 0.2906,

 0.7903, 0.1572,

0.3225

0.2771

332.5148, 0.2919,
0.3229

0.0000, 0.0000,
0.0000

51.7632, 0.2744,
0.3172

51.7632, 0.2744,
0.3172

48.3238, 0.2607,
0.3119

55.5939, 0.2890,
0.3221

45.2513, 0.2481,
0.3063

59.8267, 0.3041,
0.3266

42.5279, 0.2370,
0.3005

64.4794, 0.3195,
0.3308

40.1318, 0.2276,
0.2945

69.5670, 0.3349,
0.3345

38.0384, 0.2200,
0.2884

74.6305, 0.3482,
0.3378

■ 36.2192, 0.2144,
0.2823

■ 76.4391, 0.3476,
0.3413

■ 34.6390, 0.2107,
0.2763

■ 78.2862, 0.3469,
0.3448

■ 33.9903, 0.2094,
0.2737

■ 80.1719, 0.3463,
0.3483

■ 82.0966, 0.3457,
0.3518

Harmonies

Analogous

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



51.7632, 0.2846, 0.3366



51.7632, 0.2744, 0.3172



51.7632, 0.2741, 0.3020

Triad

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



51.7632, 0.2744, 0.3172



51.7632, 0.3223, 0.3055



51.7632, 0.3419, 0.3645

Complementary

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



51.7632, 0.2744, 0.3172



41.7736, 0.3639, 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.



51.7632, 0.3528, 0.3547



51.7632, 0.2744, 0.3172



51.7632, 0.3413, 0.3209

Square

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



51.7632, 0.2744, 0.3172



51.7632, 0.3012, 0.2960



51.7632, 0.3526, 0.3386



51.7632, 0.3233, 0.3647

Rectangle

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



51.7632, 0.2744, 0.3172



51.7632, 0.2795, 0.2960



51.7632, 0.3526, 0.3386



51.7632, 0.3466, 0.3622

Sweetspot

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



51.7653, 0.2744, 0.3172



94.1514, 0.3003, 0.3256



54.1207, 0.3035, 0.3890



19.9274, 0.2980, 0.3249



0.0000, 0.0000, 0.0000



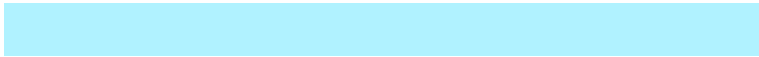
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7653, 0.2744, 0.3172



79.7245, 0.2663, 0.3142



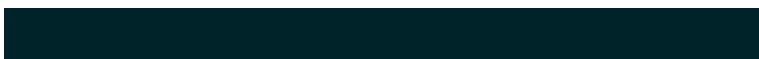
40.7457, 0.2712, 0.2813



13.0524, 0.2983, 0.3250



21.5421, 0.2096, 0.2745



1.2968, 0.2127, 0.2855

Inverse Universe

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



40.4476, 0.3237, 0.2758



58.6793, 0.3267, 0.2636



52.1249, 0.3560, 0.3725



11.9733, 0.3163, 0.3099



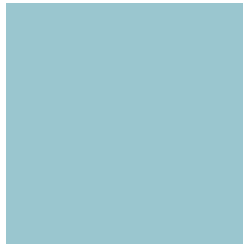
10.2460, 0.3686, 0.1804



0.5822, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 51.7632, 0.2744, 0.3172 looks on a white background.

Color Contrast Check

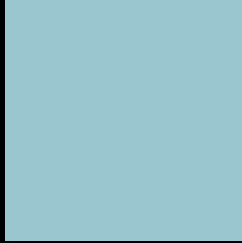
Large Text (above 18pt) WCAG AA × Fail

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 51.7632, 0.2744, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

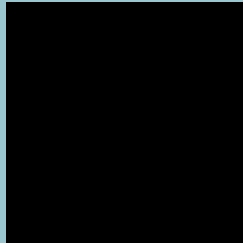
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7632, 0.2744, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 51.7632, 0.2744, 0.3172.

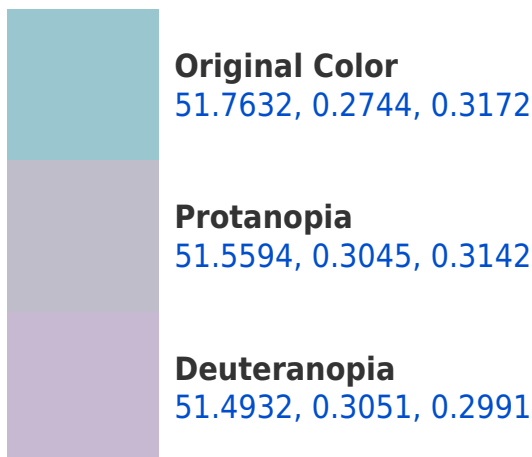


This preview shows how white text looks on a background with the Yxy color 51.7632, 0.2744, 0.3172.

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





Tritanopia

51.7052, 0.2712, 0.3083

Trichromacy



Original Color

51.7632, 0.2744, 0.3172

Protanomaly

51.3582, 0.2930, 0.3151

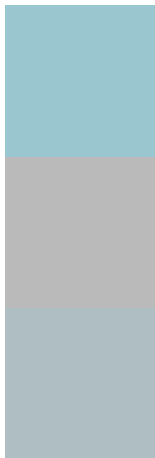
Deuteranomaly

51.4976, 0.2933, 0.3054

Tritanomaly

51.6042, 0.2725, 0.3108

Monochromacy



Original Color

51.7632, 0.2744, 0.3172

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.7206, 0.2970, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7632, 0.2744, 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(154, 198, 207)` looks like.

```
.text, #text, p{  
    color:rgb(154, 198, 207)  
}
```

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(154, 198, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 198, 207) }
```

Border

The CSS property to change the border of an element to Yxy 51.7632, 0.2744, 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(154, 198, 207) }
```

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

```
.border{ border-color:rgb(154, 198, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 198, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 198, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 198, 207);  
box-shadow:4px 4px 4px 4px rgb(154, 198,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7632, 0.2744, 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(154, 198, 207) }
```

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

```
.background{ background-color: rgb(154,  
198, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor