

Converting Colors

$Y_{xy}(53.2290, 0.2621, 0.3082)$

Have a look what the booklet for
Yxy(53.2290, 0.2621, 0.3082)
contains.

Yxy(53.2323, 0.2621, 0.3082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.2323, 0.2621, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	90CADA
RGB	144, 202, 218
RGB Percent	56%, 79%, 85%
CMY	0.4355, 0.2078, 0.1451
CMYK	0.34, 0.07, 0.00, 0.15
HSL	193°, 50%, 71%
HSV	193°, 34%, 85%
XYZ	45.2699, 53.2323, 74.2178
YIQ	186.4820, -39.7040, -7.3200

Conversions

Conversions Part 2

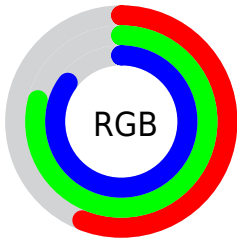
Format	Color
RYB	144, 177, 218
Decimal	9489114
CIELab	78.01, -14.75, -13.92
CIELCh	78, 20.283, 223.353
Yxy	53.2323, 0.2621, 0.3082
Android (android.graphics.Color)	4287679194 (0xFF90CADA)
YUV	186.4820, 15.5384, -37.2567
Hunter-Lab	72.9605, -16.9266, -9.2394

Details

The Yxy color **53.2323, 0.2621, 0.3082** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0368, 0.3857, 0.3487**, and the grayscale version is **49.3104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **25.9978, 0.2492, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **49.2830, 0.2488, 0.3010**, and if you desaturate by 10%, it is **57.6321, 0.2764, 0.3149**.

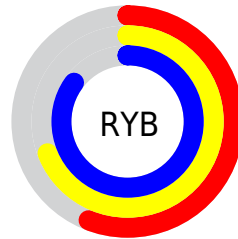
Distribution



Red (56%)

Green (79%)

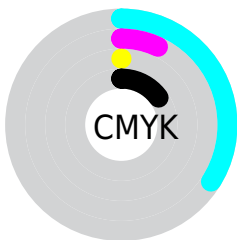
Blue (85%)



Red (56%)

Yellow (69%)

Blue (85%)

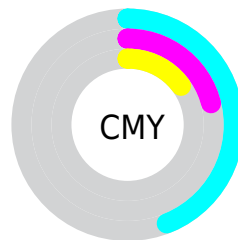


Cyan (34%)

Magenta (7%)

Yellow (0%)

Black (15%)



Cyan (44%)


Magenta (21%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2323, 0.2621, 0.3082 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 53.2323, 0.2621, 0.3082 by changing the saturation by 10% instead.


 53.2323, 0.2621,
0.3082

 53.2323, 0.2621,
0.3082


399.1757, 0.2864,
0.3188

 37.9882, 0.2563,
0.3055


 94.9461, 0.2707,
0.3121

 25.9736, 0.2491,
0.3021


 122.1847, 0.2740,
0.3135

 16.8039, 0.2398,
0.2975

154.1901, 0.2768,
0.3147

 10.0948, 0.2274,
0.2911

191.3470, 0.2792,
0.3158

 5.4618, 0.2100,
0.2817

234.0396, 0.2814,
0.3167

 2.5207, 0.1842,
0.2663

282.6523, 0.2832,

 0.8870, 0.1314,

0.3175

0.2414

337.5695, 0.2849,
0.3182

0.0000, 0.0000,
0.0000

53.2323, 0.2621,
0.3082

53.2323, 0.2621,
0.3082

49.2830, 0.2488,
0.3010

57.6321, 0.2764,
0.3149

45.7554, 0.2369,
0.2935

62.4969, 0.2913,
0.3212

42.6268, 0.2266,
0.2857

67.8481, 0.3066,
0.3269


39.8697, 0.2181,
0.2777


73.7036, 0.3220,
0.3321

37.4519, 0.2115,
0.2698

80.0807, 0.3373,
0.3367

 35.3347, 0.2069,
0.2619

 83.0555, 0.3380,
0.3413

 34.1645, 0.2048,
0.2571

 85.7142, 0.3374,
0.3459

 88.4442, 0.3367,
0.3505

 91.2461, 0.3360,
0.3551

Harmonies

Analogous

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



53.2323, 0.2724, 0.3329



53.2323, 0.2621, 0.3082



53.2323, 0.2646, 0.2907

Triad

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



53.2323, 0.2621, 0.3082



53.2323, 0.3311, 0.3027



53.2323, 0.3457, 0.3766

Complementary

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



53.2323, 0.2621, 0.3082



42.0368, 0.3857, 0.3487

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.



53.2323, 0.3628, 0.3657



53.2323, 0.2621, 0.3082



53.2323, 0.3544, 0.3233

Square

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



53.2323, 0.2621, 0.3082



53.2323, 0.3035, 0.2885



53.2323, 0.3662, 0.3461



53.2323, 0.3201, 0.3740

Rectangle

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



53.2323, 0.2621, 0.3082



53.2323, 0.2733, 0.2850



53.2323, 0.3662, 0.3461



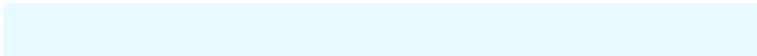
53.2323, 0.3526, 0.3743

Sweetspot

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



53.2344, 0.2621, 0.3082



92.0182, 0.2972, 0.3235



58.5625, 0.2991, 0.4092



19.4680, 0.2950, 0.3226



0.0000, 0.0000, 0.0000



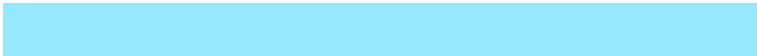
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2344, 0.2621, 0.3082



71.7023, 0.2522, 0.3029



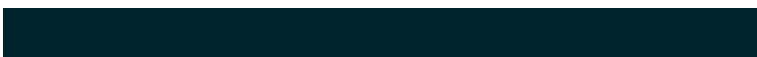
38.3190, 0.2557, 0.2591



14.3276, 0.2982, 0.3238



20.6315, 0.2051, 0.2583



1.4577, 0.2087, 0.2711

Inverse Universe

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



39.1016, 0.3315, 0.2616



49.0672, 0.3367, 0.2472



56.3004, 0.3716, 0.3901



13.2242, 0.3170, 0.3109



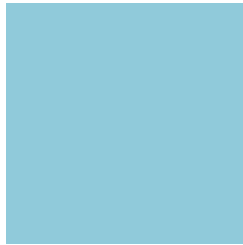
10.7065, 0.3840, 0.1889



0.7058, 0.3717, 0.1822

Previews

White Background



This preview shows how the Yxy color 53.2323, 0.2621, 0.3082 looks on a white background.

Color Contrast Check

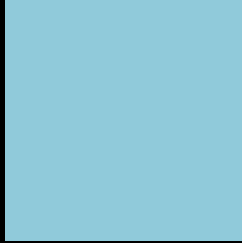
Large Text (above 18pt) WCAG AA × Fail

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 53.2323, 0.2621, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

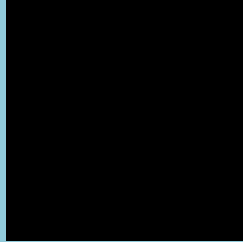
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2323, 0.2621, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 53.2323, 0.2621, 0.3082.



This preview shows how white text looks on a background with the Yxy color 53.2323, 0.2621, 0.3082.

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

53.2323, 0.2621, 0.3082

Protanopia

52.9119, 0.2973, 0.3047

Deuteranopia

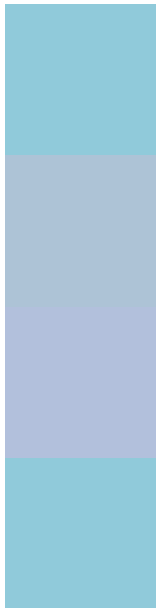
52.6314, 0.2955, 0.2889



Tritanopia

53.2323, 0.2621, 0.3082

Trichromacy



Original Color

53.2323, 0.2621, 0.3082

Protanomaly

52.7695, 0.2828, 0.3052

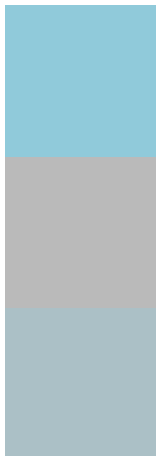
Deuteranomaly

52.3316, 0.2822, 0.2946

Tritanomaly

53.2323, 0.2621, 0.3082

Monochromacy



Original Color

53.2323, 0.2621, 0.3082

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.4344, 0.2919, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2323, 0.2621, 0.3082 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(144, 202, 218)` looks like.

```
.text, #text, p{  
    color:rgb(144, 202, 218)  
}
```

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(144, 202, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 202, 218) }
```

Border

The CSS property to change the border of an element to Yxy 53.2323, 0.2621, 0.3082 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(144, 202, 218) }
```

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

```
.border{ border-color:rgb(144, 202, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 202, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 202, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 202, 218);  
box-shadow:4px 4px 4px 4px rgb(144, 202,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2323, 0.2621, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 202, 218) }
```

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

```
.background{ background-color: rgb(144,  
202, 218) }
```

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