

Converting Colors

$Y_{xy}(53.1029, 0.2325, 0.3096)$

Have a look what the booklet for
Yxy(53.1029, 0.2325, 0.3096)
contains.

Yxy(53.2688, 0.2325, 0.3098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.2688, 0.2325, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	52D2E0
RGB	82, 210, 224
RGB Percent	32%, 82%, 88%
CMY	0.6786, 0.1764, 0.1215
CMYK	0.63, 0.06, 0.00, 0.12
HSL	186°, 70%, 60%
HSV	186°, 63%, 88%
XYZ	39.9774, 53.2688, 78.6996
YIQ	173.3240, -80.7820, -22.7820

Conversions

Conversions Part 2

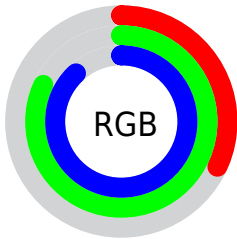
Format	Color
R _Y B	82, 149, 224
Decimal	5427936
CIE Lab	78.03, -30.69, -17.36
CIE LCh	78, 35.262, 209.494
Yxy	53.2688, 0.2325, 0.3098
Android (android.graphics.Color)	4283618016 (0xFF52D2E0)
YUV	173.3240, 24.9833, -80.0911
Hunter-Lab	72.9855, -29.9522, -12.8420

Details

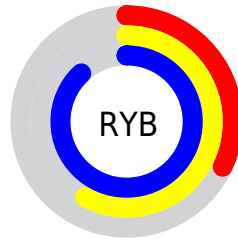
The Yxy color **53.2688, 0.2325, 0.3098** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.8124, 0.5055, 0.3442**, and the grayscale version is **41.8579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **26.3073, 0.2175, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **51.3434, 0.2255, 0.3064**, and if you desaturate by 10%, it is **55.5408, 0.2414, 0.3132**.

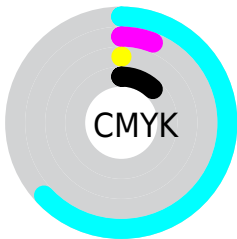
Distribution



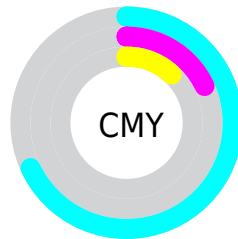
- Red (32%)
- Green (82%)
- Blue (88%)



- Red (32%)
- Yellow (58%)
- Blue (88%)



- Cyan (63%)
- Magenta (6%)
- Yellow (0%)
- Black (12%)





- Cyan (68%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2688, 0.2325, 0.3098 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 53.2688, 0.2325, 0.3098 by changing the saturation by 10% instead.


 53.2688, 0.2325,
0.3098


 53.2688, 0.2325,
0.3098


399.3155, 0.2705,
0.3203

 38.0174, 0.2237,
0.3070


 94.9998, 0.2458,
0.3138

 25.9962, 0.2128,
0.3032


 122.2482, 0.2509,
0.3152

 16.8208, 0.1989,
0.2981


 154.2643, 0.2553,
0.3165

 10.1068, 0.1808,
0.2907

 191.4326, 0.2592,
0.3175

 5.4698, 0.1564,
0.2794

234.1375, 0.2625,
0.3183

 2.5255, 0.1224,
0.2605

282.7634, 0.2655,

 0.8894, 0.0256,

0.3191

0.2370

337.6946, 0.2681,
0.3197

0.0000, 0.0000,
0.0000

53.2688, 0.2325,
0.3098

53.2688, 0.2325,
0.3098

51.3434, 0.2255,
0.3064

55.5408, 0.2414,
0.3132

49.7253, 0.2205,
0.3029

58.1823, 0.2520,
0.3165

48.3761, 0.2173,
0.2996


61.2209, 0.2642,
0.3197

47.5919, 0.2159,
0.2974


64.6802, 0.2777,
0.3227

68.5814, 0.2922,
0.3256

 72.9447, 0.3074,
0.3282

 77.7888, 0.3230,
0.3305

 81.9458, 0.3343,
0.3327

 83.1658, 0.3341,
0.3349

Harmonies

Analogous

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



53.2688, 0.2578, 0.3564



53.2688, 0.2325, 0.3098



53.2688, 0.2272, 0.2738

Triad

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



53.2688, 0.2325, 0.3098



53.2688, 0.3216, 0.2724



53.2688, 0.3850, 0.4041

Complementary

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



53.2688, 0.2325, 0.3098



24.8124, 0.5055, 0.3442

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.



53.2688, 0.4058, 0.3751



53.2688, 0.2325, 0.3098



53.2688, 0.3682, 0.3016

Square

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



53.2688, 0.2325, 0.3098



53.2688, 0.2757, 0.2558



53.2688, 0.3999, 0.3380



53.2688, 0.3453, 0.4143

Rectangle

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



53.2688, 0.2325, 0.3098



53.2688, 0.2351, 0.2595



53.2688, 0.3999, 0.3380



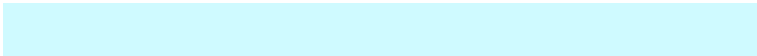
53.2688, 0.3946, 0.3960

Sweetspot

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



53.2708, 0.2325, 0.3098



88.9323, 0.2838, 0.3240



55.9106, 0.2985, 0.5192



18.7206, 0.2797, 0.3231



0.0000, 0.0000, 0.0000



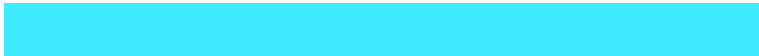
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2708, 0.2325, 0.3098



68.1536, 0.2238, 0.3053



26.2641, 0.2086, 0.2069



15.3293, 0.2982, 0.3266



27.7957, 0.2161, 0.2979



1.9944, 0.2175, 0.3031

Inverse Universe

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



26.5284, 0.3347, 0.1956



30.6694, 0.3397, 0.1795



43.3002, 0.4439, 0.4208



13.9111, 0.3153, 0.3081



11.7140, 0.3473, 0.1687



0.8188, 0.3427, 0.1662

Previews

White Background



This preview shows how the Yxy color 53.2688, 0.2325, 0.3098 looks on a white background.

Color Contrast Check

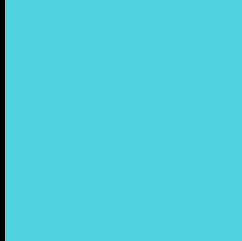
Large Text (above 18pt) WCAG AA × Fail

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 53.2688, 0.2325, 0.3098 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 53.2688, 0.2325, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 53.2688, 0.2325, 0.3098.

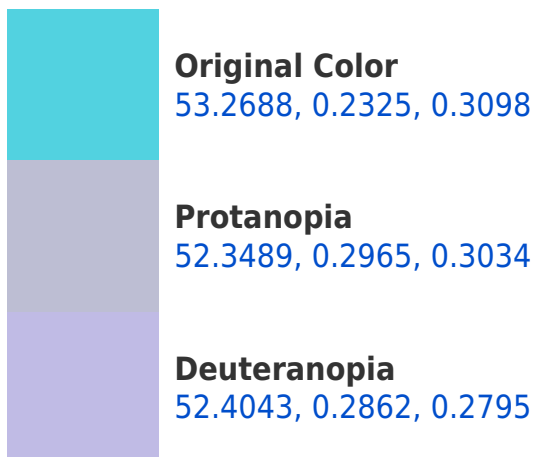


This preview shows how white text looks on a background with the Yxy color 53.2688, 0.2325, 0.3098.

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

53.4782, 0.2315, 0.3059

Trichromacy



Original Color

53.2688, 0.2325, 0.3098

Protanomaly

51.3744, 0.2662, 0.3043

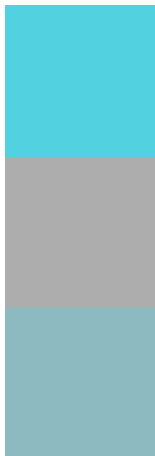
Deuteranomaly

51.2517, 0.2607, 0.2884

Tritanomaly

53.4232, 0.2320, 0.3072

Monochromacy



Original Color

53.2688, 0.2325, 0.3098

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.4990, 0.2729, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2688, 0.2325, 0.3098 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(82, 210, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 210, 224)  
}
```

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(82, 210, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 210, 224) }
```

Border

The CSS property to change the border of an element to Yxy 53.2688, 0.2325, 0.3098 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(82, 210, 224) }
```

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

```
.border{ border-color:rgb(82, 210, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 210, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 210, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 210, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 210,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2688, 0.2325, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 210, 224) }
```

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

```
.background{ background-color: rgb(82, 210,  
224) }
```

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