

Converting Colors

$Yxy(53.7776, 0.2243, 0.3128)$

Have a look what the booklet for
Yxy(53.7776, 0.2243, 0.3128)
contains.

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Color

Yxy(53.5826, 0.2242, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	2DD5E1
RGB	45, 213, 225
RGB Percent	18%, 84%, 88%
CMY	0.8230, 0.1647, 0.1178
CMYK	0.80, 0.05, 0.00, 0.12
HSL	184°, 75%, 53%
HSV	184°, 80%, 88%
XYZ	38.4669, 53.5826, 79.5246
YIQ	164.1360, -103.9800, -31.8840

Conversions

Conversions Part 2

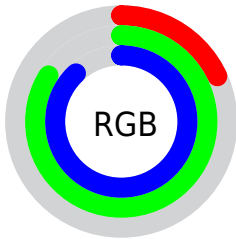
Format	Color
R_{YB}	45, 132, 225
Decimal	3003873
CIE _{Lab}	78.22, -36.27, -17.67
CIE _{LCh}	78, 40.341, 205.975
Yxy	53.5826, 0.2242, 0.3123
Android (android.graphics.Color)	4281193953 (0xFF2DD5E1)
YUV	164.1360, 30.0060, -104.4823
Hunter-Lab	73.2001, -34.2979, -13.1725

Details

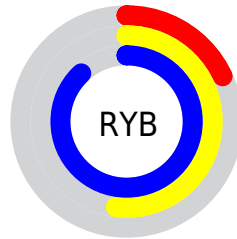
The Yxy color **53.5826, 0.2242, 0.3123** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.1281, 0.5832, 0.3382**, and the grayscale version is **37.1016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **27.3560, 0.2186, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **52.4521, 0.2208, 0.3101**, and if you desaturate by 10%, it is **54.9958, 0.2295, 0.3146**.

Distribution



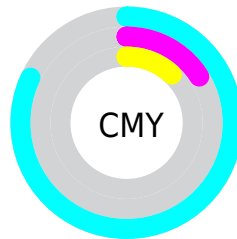
- Red (18%)
- Green (84%)
- Blue (88%)



- Red (18%)
- Yellow (52%)
- Blue (88%)



- Cyan (80%)
- Magenta (5%)
- Yellow (0%)
- Black (12%)



- Cyan (82%)
- Magenta (16%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5826, 0.2242, 0.3123 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 53.5826, 0.2242, 0.3123 by changing the saturation by 10% instead.


 53.5826, 0.2242,
0.3123


 53.5826, 0.2242,
0.3123

400.5163, 0.2659,
0.3219


 38.2681, 0.2146,
0.3096


 95.4611, 0.2387,
0.3160


 26.1908, 0.2028,
0.3060


 122.7939, 0.2444,
0.3173


 16.9664, 0.1878,
0.3011


 154.9015, 0.2492,
0.3184

 10.2106, 0.1684,
0.2938

 192.1684, 0.2534,
0.3193

 5.5388, 0.1426,
0.2825

 234.9789, 0.2571,
0.3201

 2.5667, 0.1074,
0.2634

283.7175, 0.2604,

 0.9100, 0.0000,

0.3208

0.2416

338.7685, 0.2633,
0.3214

0.0000, 0.0000,
0.0000

53.5826, 0.2242,
0.3123

53.5826, 0.2242,
0.3123

52.4521, 0.2208,
0.3101

54.9958, 0.2295,
0.3146

51.5325, 0.2189,
0.3078


56.7235, 0.2367,
0.3169


51.5272, 0.2189,
0.3078

58.7996, 0.2458,
0.3191


61.2520, 0.2566,
0.3213

64.1058, 0.2691,
0.3234

 67.3839, 0.2828,
0.3254

 71.1072, 0.2974,
0.3273

 75.2957, 0.3128,
0.3290

 79.9676, 0.3286,
0.3306

Harmonies

Analogous

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



53.5826, 0.2548, 0.3666



53.5826, 0.2242, 0.3123



53.5826, 0.2158, 0.2696

Triad

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



53.5826, 0.2242, 0.3123



53.5826, 0.3160, 0.2622



53.5826, 0.3987, 0.4108

Complementary

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



53.5826, 0.2242, 0.3123



19.1281, 0.5832, 0.3382

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.



53.5826, 0.4197, 0.3755



53.5826, 0.2242, 0.3123



53.5826, 0.3702, 0.2934

Square

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



53.5826, 0.2242, 0.3123



53.5826, 0.2652, 0.2455



53.5826, 0.4096, 0.3334



53.5826, 0.3551, 0.4270

Rectangle

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



53.5826, 0.2242, 0.3123



53.5826, 0.2229, 0.2523



53.5826, 0.4096, 0.3334



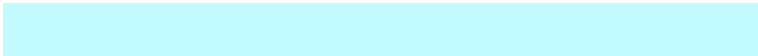
53.5826, 0.4088, 0.4005

Sweetspot

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



53.5846, 0.2242, 0.3123



87.6124, 0.2768, 0.3246



54.6608, 0.2991, 0.5701



18.4228, 0.2720, 0.3239



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.



53.5846, 0.2242, 0.3123



68.8507, 0.2194, 0.3086



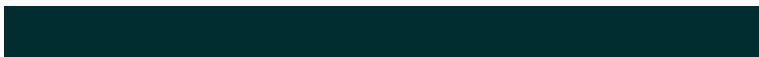
20.9311, 0.1890, 0.1787



15.4080, 0.2982, 0.3274



29.7708, 0.2189, 0.3082



2.1112, 0.2199, 0.3116

Inverse Universe

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



22.6930, 0.3341, 0.1723



27.6964, 0.3379, 0.1645



36.1511, 0.4886, 0.4256



13.9191, 0.3148, 0.3074



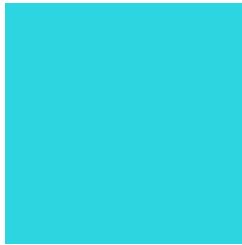
11.9134, 0.3383, 0.1637



0.8306, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 53.5826, 0.2242, 0.3123 looks on a white background.

Color Contrast Check

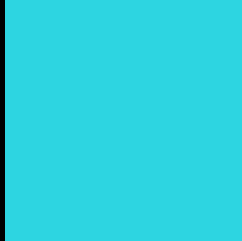
Large Text (above 18pt) WCAG AA × Fail

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 53.5826, 0.2242, 0.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

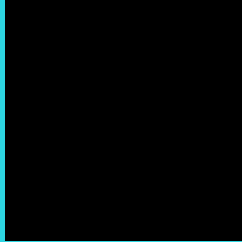
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.5826, 0.2242, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 53.5826, 0.2242, 0.3123.



This preview shows how white text looks on a background with the Yxy color 53.5826, 0.2242, 0.3123.

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

53.5826, 0.2242, 0.3123

Protanopia

52.8619, 0.2980, 0.3059

Deuteranopia

52.8123, 0.2842, 0.2785



Tritanopia

53.4782, 0.2227, 0.3043

Trichromacy



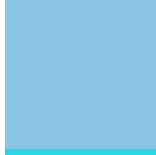
Original Color

53.5826, 0.2242, 0.3123



Protanomaly

51.0715, 0.2591, 0.3077



Deuteranomaly

50.9929, 0.2516, 0.2878



Tritanomaly

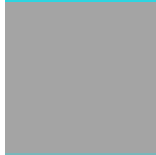
53.3168, 0.2231, 0.3069

Monochromacy



Original Color

53.5826, 0.2242, 0.3123



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.0660, 0.2633, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5826, 0.2242, 0.3123 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(45, 213, 225)` looks like.

```
.text, #text, p{  
    color:rgb(45, 213, 225)  
}
```

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(45, 213, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 213, 225) }
```

Border

The CSS property to change the border of an element to Yxy 53.5826, 0.2242, 0.3123 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(45, 213, 225) }
```

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

```
.border{ border-color:rgb(45, 213, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 213, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 213, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 213, 225);  
box-shadow:4px 4px 4px 4px rgb(45, 213,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5826, 0.2242, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 213, 225) }
```

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

```
.background{ background-color: rgb(45, 213,  
225) }
```

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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