

Converting Colors

$Y_{xy}(53.2377, 0.2452, 0.3115)$

Have a look what the booklet for
Yxy(53.2377, 0.2452, 0.3115)
contains.

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Color

Yxy(53.2377, 0.2452, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	70CFDC
RGB	112, 207, 220
RGB Percent	44%, 81%, 86%
CMY	0.5610, 0.1882, 0.1373
CMYK	0.49, 0.06, 0.00, 0.14
HSL	187°, 61%, 65%
HSV	187°, 49%, 86%
XYZ	41.9065, 53.2377, 75.7633
YIQ	180.0770, -60.7930, -16.0970

Conversions

Conversions Part 2

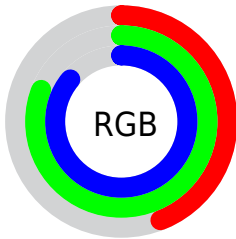
Format	Color
R _{YB}	112, 163, 220
Decimal	7393244
CIE Lab	78.02, -24.68, -15.13
CIE LCh	78, 28.952, 211.511
Yxy	53.2377, 0.2452, 0.3115
Android (android.graphics.Color)	4285583324 (0xFF70CFDC)
YUV	180.0770, 19.6820, -59.7035
Hunter-Lab	72.9642, -25.1669, -10.4896

Details

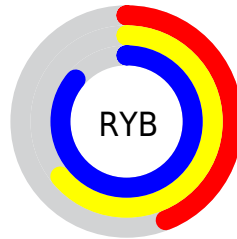
The Yxy color **53.2377, 0.2452, 0.3115** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.0302, 0.4417, 0.3448**, and the grayscale version is **45.5972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **25.8512, 0.2281, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **50.7002, 0.2353, 0.3074**, and if you desaturate by 10%, it is **56.1530, 0.2568, 0.3155**.

Distribution



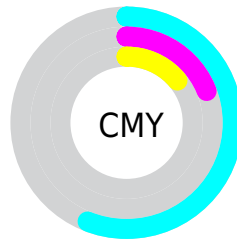
- Red (44%)
- Green (81%)
- Blue (86%)



- Red (44%)
- Yellow (64%)
- Blue (86%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)





- Cyan (56%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2377, 0.2452, 0.3115 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 53.2377, 0.2452, 0.3115 by changing the saturation by 10% instead.


 53.2377, 0.2452,
0.3115


 53.2377, 0.2452,
0.3115


399.1964, 0.2774,
0.3209


 37.9926, 0.2377,
0.3090


 94.9540, 0.2565,
0.3150

 25.9769, 0.2283,
0.3058


 122.1940, 0.2609,
0.3163

 16.8064, 0.2162,
0.3013


 154.2011, 0.2646,
0.3174

 10.0965, 0.2003,
0.2950

191.3597, 0.2679,
0.3183

 5.4630, 0.1785,
0.2854

234.0541, 0.2707,
0.3191

 2.5214, 0.1472,
0.2692

282.6687, 0.2732,

 0.8873, 0.0671,

0.3197

0.2473

337.5880, 0.2754,
0.3203

0.0000, 0.0000,
0.0000

53.2377, 0.2452,
0.3115

53.2377, 0.2452,
0.3115

50.7002, 0.2353,
0.3074

56.1530, 0.2568,
0.3155

48.5083, 0.2272,
0.3032

59.4637, 0.2697,
0.3193

46.6341, 0.2211,
0.2989

63.1934, 0.2838,
0.3229

45.0423, 0.2168,
0.2947

67.3620, 0.2987,
0.3262

43.6767, 0.2142,
0.2906

71.9882, 0.3141,
0.3293

■ 43.5591, 0.2140,
0.2902

■ 77.0894, 0.3297,
0.3320

■ 80.5471, 0.3374,
0.3346

■ 81.9904, 0.3370,
0.3372

■ 83.4559, 0.3366,
0.3398

Harmonies

Analogous

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



53.2377, 0.2656, 0.3490



53.2377, 0.2452, 0.3115



53.2377, 0.2418, 0.2823

Triad

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



53.2377, 0.2452, 0.3115



53.2377, 0.3230, 0.2831



53.2377, 0.3708, 0.3924

Complementary

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



53.2377, 0.2452, 0.3115



31.0302, 0.4417, 0.3448

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.



53.2377, 0.3888, 0.3699



53.2377, 0.2452, 0.3115



53.2377, 0.3605, 0.3084

Square

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



53.2377, 0.2452, 0.3115



53.2377, 0.2847, 0.2683



53.2377, 0.3852, 0.3394



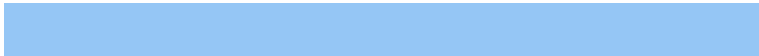
53.2377, 0.3376, 0.3982

Rectangle

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



53.2377, 0.2452, 0.3115



53.2377, 0.2492, 0.2707



53.2377, 0.3852, 0.3394



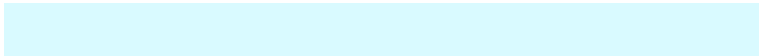
53.2377, 0.3789, 0.3863

Sweetspot

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



53.2397, 0.2452, 0.3115



90.5584, 0.2897, 0.3243



56.0879, 0.2990, 0.4666



19.1241, 0.2865, 0.3235



0.0000, 0.0000, 0.0000



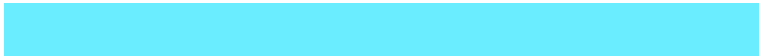
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2397, 0.2452, 0.3115



70.7282, 0.2349, 0.3072



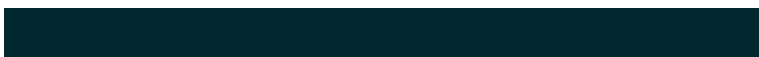
31.5108, 0.2305, 0.2339



14.5487, 0.2982, 0.3261



25.6785, 0.2141, 0.2909



1.7404, 0.2160, 0.2976

Inverse Universe

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



31.2972, 0.3314, 0.2228



37.3825, 0.3363, 0.2043



48.4505, 0.4072, 0.4070



13.2465, 0.3156, 0.3087



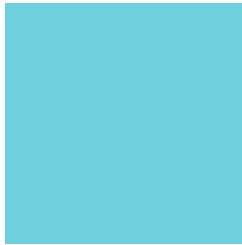
11.2160, 0.3535, 0.1721



0.7344, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 53.2377, 0.2452, 0.3115 looks on a white background.

Color Contrast Check

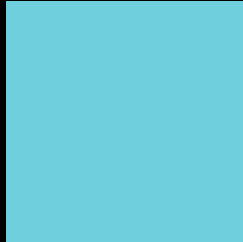
Large Text (above 18pt) WCAG AA × Fail

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 53.2377, 0.2452, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

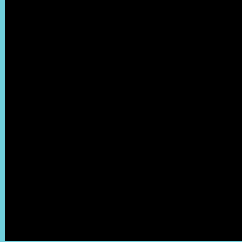
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2377, 0.2452, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 53.2377, 0.2452, 0.3115.



This preview shows how white text looks on a background with the Yxy color 53.2377, 0.2452, 0.3115.

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

53.2377, 0.2452, 0.3115

Protanopia

52.3775, 0.2987, 0.3058

Deuteranopia

52.5246, 0.2919, 0.2853



Tritanopia

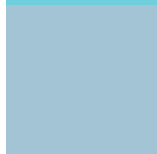
53.4641, 0.2442, 0.3076

Trichromacy



Original Color

53.2377, 0.2452, 0.3115



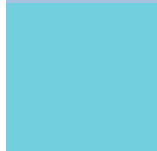
Protanomaly

51.9653, 0.2758, 0.3072



Deuteranomaly

51.9106, 0.2714, 0.2927



Tritanomaly

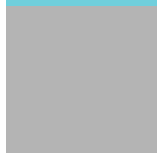
53.4103, 0.2447, 0.3089

Monochromacy



Original Color

53.2377, 0.2452, 0.3115



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.7356, 0.2820, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2377, 0.2452, 0.3115 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(112, 207, 220)` looks like.

```
.text, #text, p{  
    color:rgb(112, 207, 220)  
}
```

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(112, 207, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 207, 220) }
```

Border

The CSS property to change the border of an element to Yxy 53.2377, 0.2452, 0.3115 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(112, 207, 220) }
```

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

```
.border{ border-color:rgb(112, 207, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 207, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 207, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 207, 220);  
box-shadow:4px 4px 4px 4px rgb(112, 207,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2377, 0.2452, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 207, 220) }
```

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

```
.background{ background-color: rgb(112,  
207, 220) }
```

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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