

Converting Colors

$Y_{xy}(53.7088, 0.2432, 0.3220)$

Have a look what the booklet for
Yxy(53.7088, 0.2432, 0.3220)
contains.

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Color

Yxy(53.7088, 0.2432, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	64D2D7
RGB	100, 210, 215
RGB Percent	39%, 82%, 84%
CMY	0.6080, 0.1764, 0.1568
CMYK	0.54, 0.02, 0.00, 0.16
HSL	183°, 59%, 62%
HSV	183°, 54%, 84%
XYZ	40.5652, 53.7088, 72.5236
YIQ	177.6800, -67.1650, -21.7650

Conversions

Conversions Part 2

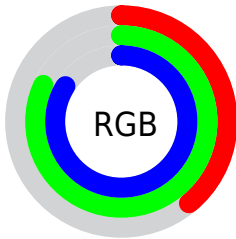
Format	Color
RYB	100, 156, 215
Decimal	6607575
CIELab	78.29, -29.98, -12.09
CIELCh	78, 32.325, 201.967
Yxy	53.7088, 0.2432, 0.3220
Android (android.graphics.Color)	4284797655 (0xFF64D2D7)
YUV	177.6800, 18.3988, -68.1254
Hunter-Lab	73.2863, -29.4483, -7.3725

Details

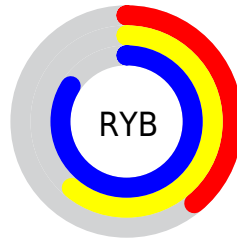
The Yxy color **53.7088, 0.2432, 0.3220** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.4637, 0.4658, 0.3353**, and the grayscale version is **44.2671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **26.2276, 0.2258, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **52.1827, 0.2350, 0.3205**, and if you desaturate by 10%, it is **55.5651, 0.2532, 0.3234**.

Distribution



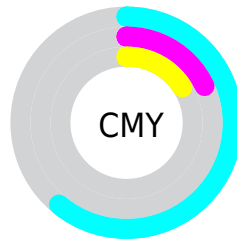
- Red (39%)
- Green (82%)
- Blue (84%)



- Red (39%)
- Yellow (61%)
- Blue (84%)



- Cyan (54%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)





- Cyan (61%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7088, 0.2432, 0.3220 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 53.7088, 0.2432, 0.3220 by changing the saturation by 10% instead.


 53.7088, 0.2432,
0.3220

 53.7088, 0.2432,
0.3220


400.9986, 0.2763,
0.3263


 38.3689, 0.2354,
0.3207


 95.6465, 0.2549,
0.3237

 26.2691, 0.2258,
0.3190

 123.0132, 0.2593,
0.3243

 17.0251, 0.2134,
0.3165


 155.1575, 0.2632,
0.3248

 10.2524, 0.1970,
0.3127

 192.4640, 0.2665,
0.3252

 5.5666, 0.1746,
0.3066

235.3169, 0.2694,
0.3255

 2.5834, 0.1423,
0.2955

284.1007, 0.2720,

 0.9183, 0.0440,

0.3258

0.2871

339.1998, 0.2743,
0.3261

■ 0.0000, 0.0000,
0.0000

■ 53.7088, 0.2432,
0.3220

■ 53.7088, 0.2432,
0.3220

■ 52.1827, 0.2350,
0.3205

■ 55.5651, 0.2532,
0.3234

■ 50.9546, 0.2288,
0.3191

■ 57.7687, 0.2649,
0.3248

■ 49.9965, 0.2245,
0.3176

■ 60.3426, 0.2780,
0.3262

■ 49.2720, 0.2219,
0.3162

■ 63.3064, 0.2922,
0.3274

■ 48.8868, 0.2209,
0.3153

■ 66.6780, 0.3073,
0.3286

70.4745, 0.3229,
0.3297

74.7116, 0.3388,
0.3307

76.0427, 0.3421,
0.3316

76.5273, 0.3419,
0.3325

Harmonies

Analogous

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



53.7088, 0.2708, 0.3645



53.7088, 0.2432, 0.3220



53.7088, 0.2334, 0.2855

Triad

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



53.7088, 0.2432, 0.3220



53.7088, 0.3099, 0.2717



53.7088, 0.3858, 0.3927

Complementary

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



53.7088, 0.2432, 0.3220



25.4637, 0.4658, 0.3353

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.



53.7088, 0.3989, 0.3636



53.7088, 0.2432, 0.3220



53.7088, 0.3535, 0.2963

Square

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



53.7088, 0.2432, 0.3220



53.7088, 0.2698, 0.2599



53.7088, 0.3870, 0.3289



53.7088, 0.3531, 0.4067

Rectangle

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



53.7088, 0.2432, 0.3220



53.7088, 0.2376, 0.2694



53.7088, 0.3870, 0.3289



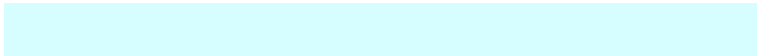
53.7088, 0.3928, 0.3842

Sweetspot

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



53.7109, 0.2432, 0.3220



91.9399, 0.2883, 0.3271



52.3078, 0.3029, 0.4944



19.4815, 0.2853, 0.3269



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.



53.7109, 0.2432, 0.3220



76.5618, 0.2343, 0.3204



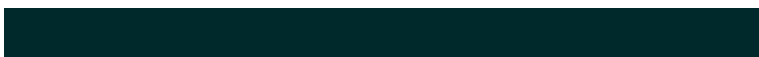
30.6102, 0.2262, 0.2386



14.0110, 0.2983, 0.3279



29.2795, 0.2210, 0.3155



1.7953, 0.2217, 0.3179

Inverse Universe

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



28.2092, 0.3239, 0.2066



35.6511, 0.3262, 0.1877



40.9698, 0.4237, 0.4025



12.6229, 0.3144, 0.3070



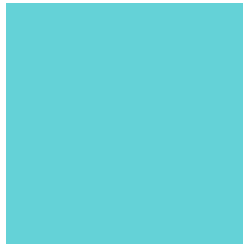
11.3006, 0.3320, 0.1603



0.6846, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 53.7088, 0.2432, 0.3220 looks on a white background.

Color Contrast Check

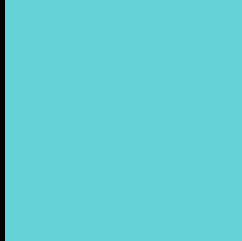
Large Text (above 18pt) WCAG AA × Fail

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 53.7088, 0.2432, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

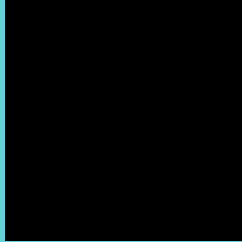
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7088, 0.2432, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 53.7088, 0.2432, 0.3220.

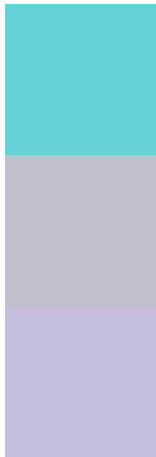


This preview shows how white text looks on a background with the Yxy color 53.7088, 0.2432, 0.3220.

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

53.7088, 0.2432, 0.3220

Protanopia

52.9109, 0.3054, 0.3144

Deuteranopia

53.1395, 0.2970, 0.2913



Tritanopia

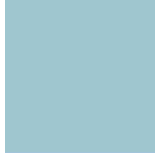
53.4910, 0.2396, 0.3062

Trichromacy



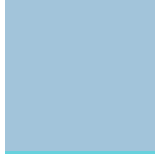
Original Color

53.7088, 0.2432, 0.3220



Protanomaly

52.2641, 0.2778, 0.3173



Deuteranomaly

52.2232, 0.2727, 0.3011



Tritanomaly

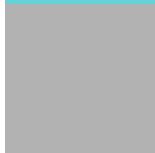
53.7050, 0.2413, 0.3127

Monochromacy



Original Color

53.7088, 0.2432, 0.3220



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.0725, 0.2811, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7088, 0.2432, 0.3220 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(100, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(100, 210, 215)  
}
```

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(100, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 210, 215) }
```

Border

The CSS property to change the border of an element to Yxy 53.7088, 0.2432, 0.3220 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(100, 210, 215) }
```

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

```
.border{ border-color:rgb(100, 210, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 210, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(100, 210,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7088, 0.2432, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 210, 215) }
```

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

```
.background{ background-color: rgb(100,  
210, 215) }
```

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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