

Converting Colors

$Yxy(55.1411, 0.2529, 0.3429)$

Have a look what the booklet for
Yxy(55.1411, 0.2529, 0.3429)
contains.

Yxy(55.0261, 0.2530, 0.3425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.0261, 0.2530, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	6BD5CB
RGB	107, 213, 203
RGB Percent	42%, 84%, 80%
CMY	0.5800, 0.1647, 0.2039
CMYK	0.50, 0.00, 0.05, 0.16
HSL	174°, 56%, 63%
HSV	174°, 50%, 84%
XYZ	40.6470, 55.0261, 64.9870
YIQ	180.1660, -59.9660, -25.5820

Conversions

Conversions Part 2

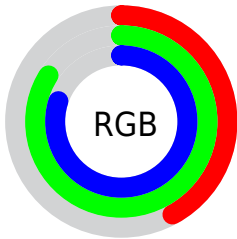
Format	Color
RYB	107, 163, 213
Decimal	7067083
CIELab	79.06, -33.02, -4.50
CIElCh	79, 33.327, 187.762
Yxy	55.0261, 0.2530, 0.3425
Android (android.graphics.Color)	4285257163 (0xFF6BD5CB)
YUV	180.1660, 11.2572, -64.1666
Hunter-Lab	74.1796, -32.0044, -0.0169

Details

The Yxy color **55.0261, 0.2530, 0.3425** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.9672, 0.4388, 0.3172**, and the grayscale version is **45.7124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **27.1372, 0.2376, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **53.7702, 0.2453, 0.3457**, and if you desaturate by 10%, it is **56.6128, 0.2625, 0.3394**.

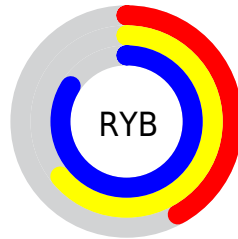
Distribution



Red (42%)

Green (84%)

Blue (80%)



Red (42%)

Yellow (64%)

Blue (84%)

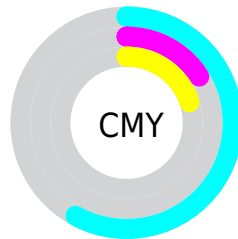


Cyan (50%)

Magenta (0%)

Yellow (5%)

Black (16%)



Cyan (58%)


Magenta (16%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0261, 0.2530, 0.3425 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 55.0261, 0.2530, 0.3425 by changing the saturation by 10% instead.

 55.0261, 0.2530,
0.3425

 55.0261, 0.2530,
0.3425


406.0109, 0.2816,
0.3364


 39.4226, 0.2462,
0.3438


 97.5792, 0.2631,
0.3404

 27.0887, 0.2377,
0.3455


 125.2976, 0.2670,
0.3396

 17.6398, 0.2268,
0.3475

 157.8231, 0.2703,
0.3389

 10.6917, 0.2122,
0.3500

195.5401, 0.2732,
0.3383

 5.8599, 0.1918,
0.3530

238.8330, 0.2757,
0.3377

 2.7601, 0.1618,
0.3566

288.0861, 0.2779,

 1.0078, 0.0558,

0.3372

0.3829

343.6840, 0.2799,
0.3368

0.0000, 0.0000,
0.0000

55.0261, 0.2530,
0.3425

55.0261, 0.2530,
0.3425

53.7702, 0.2453,
0.3457

56.6128, 0.2625,
0.3394

52.8142, 0.2395,
0.3489

58.5455, 0.2735,
0.3365

52.1327, 0.2356,
0.3521


60.8465, 0.2858,
0.3338


51.6928, 0.2335,
0.3553

63.5342, 0.2991,
0.3313

51.4371, 0.2330,
0.3585

66.6256, 0.3131,
0.3289

 51.4306, 0.2330,
0.3586

 70.1371, 0.3276,
0.3268

 73.8566, 0.3413,
0.3250

 73.9617, 0.3398,
0.3229

 74.0681, 0.3384,
0.3209

Harmonies

Analogous

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



55.0261, 0.2882, 0.3835



55.0261, 0.2530, 0.3425



55.0261, 0.2340, 0.3006

Triad

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



55.0261, 0.2530, 0.3425



55.0261, 0.2892, 0.2630



55.0261, 0.3968, 0.3812

Complementary

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



55.0261, 0.2530, 0.3425



25.9672, 0.4388, 0.3172

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.



55.0261, 0.3984, 0.3476



55.0261, 0.2530, 0.3425



55.0261, 0.3337, 0.2823

Square

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



55.0261, 0.2530, 0.3425



55.0261, 0.2537, 0.2584



55.0261, 0.3747, 0.3124



55.0261, 0.3717, 0.4042

Rectangle

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



55.0261, 0.2530, 0.3425



55.0261, 0.2321, 0.2789



55.0261, 0.3747, 0.3124



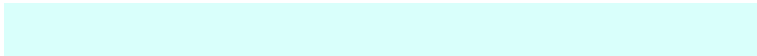
55.0261, 0.4002, 0.3707

Sweetspot

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



55.0282, 0.2530, 0.3425



93.2235, 0.2918, 0.3326



52.4772, 0.3119, 0.4830



19.7736, 0.2890, 0.3332



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.



55.0282, 0.2530, 0.3425



80.6710, 0.2447, 0.3460



36.9236, 0.2363, 0.2678



14.0868, 0.2995, 0.3312



31.4275, 0.2328, 0.3581



1.9016, 0.2313, 0.3526

Inverse Universe

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



25.9672, 0.4388, 0.3172



32.0333, 0.4847, 0.3158



36.8480, 0.4233, 0.3812



12.4396, 0.3276, 0.3268



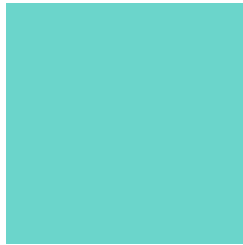
8.6788, 0.6286, 0.3236



0.5301, 0.5978, 0.3067

Previews

White Background



This preview shows how the Yxy color 55.0261, 0.2530, 0.3425 looks on a white background.

Color Contrast Check

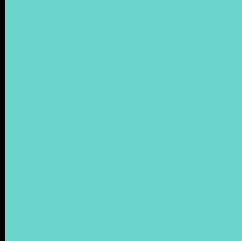
Large Text (above 18pt) WCAG AA × Fail

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 55.0261, 0.2530, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

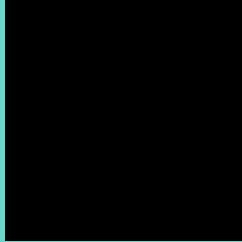
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

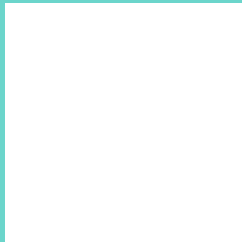
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.0261, 0.2530, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 55.0261, 0.2530, 0.3425.

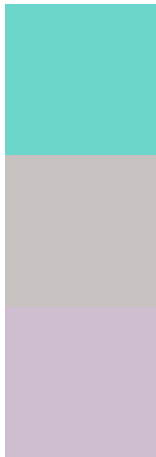


This preview shows how white text looks on a background with the Yxy color 55.0261, 0.2530, 0.3425.

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

55.0261, 0.2530, 0.3425

Protanopia

54.5315, 0.3182, 0.3314

Deuteranopia

54.2147, 0.3129, 0.3067



Tritanopia

54.7368, 0.2442, 0.3066

Trichromacy



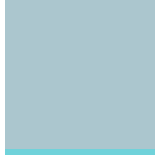
Original Color

55.0261, 0.2530, 0.3425



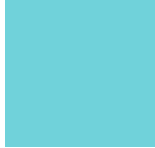
Protanomaly

53.8658, 0.2900, 0.3354



Deuteranomaly

53.5023, 0.2868, 0.3188



Tritanomaly

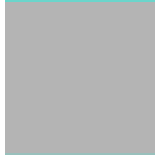
54.5999, 0.2470, 0.3181

Monochromacy



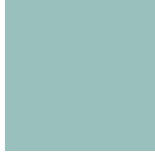
Original Color

55.0261, 0.2530, 0.3425



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.1024, 0.2854, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0261, 0.2530, 0.3425 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(107, 213, 203)` looks like.

```
.text, #text, p{  
    color:rgb(107, 213, 203)  
}
```

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(107, 213, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 213, 203) }
```

Border

The CSS property to change the border of an element to Yxy 55.0261, 0.2530, 0.3425 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(107, 213, 203) }
```

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

```
.border{ border-color:rgb(107, 213, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 213, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 213, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 213, 203);  
box-shadow:4px 4px 4px 4px rgb(107, 213,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0261, 0.2530, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 213, 203) }
```

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

```
.background{ background-color: rgb(107,  
213, 203) }
```

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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