

Converting Colors

$Y_{xy}(55.6078, 0.2511, 0.3679)$

Have a look what the booklet for
Yxy(55.6078, 0.2511, 0.3679)
contains.

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Color

Yxy(55.7453, 0.2514, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	54DABE
RGB	84, 218, 190
RGB Percent	33%, 85%, 75%
CMY	0.6706, 0.1451, 0.2549
CMYK	0.61, 0.00, 0.13, 0.15
HSL	167°, 64%, 59%
HSV	167°, 61%, 85%
XYZ	38.0205, 55.7453, 57.4694
YIQ	174.7420, -70.8760, -37.1160

Conversions

Conversions Part 2

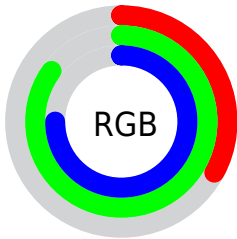
Format	Color
RYB	84, 159, 218
Decimal	5561022
CIELab	79.47, -43.09, 2.97
CIELCh	79, 43.196, 176.056
Yxy	55.7453, 0.2514, 0.3686
Android (android.graphics.Color)	4283751102 (0xFF54DABE)
YUV	174.7420, 7.5222, -79.5807
Hunter-Lab	74.6628, -39.7623, 6.6273

Details

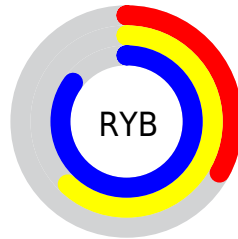
The Yxy color **55.7453, 0.2514, 0.3686** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.4151, 0.4653, 0.2979**, and the grayscale version is **42.7168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2848, 0.2584, 0.3390**, and **27.6468, 0.2383, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **54.6973, 0.2468, 0.3762**, and if you desaturate by 10%, it is **57.1168, 0.2579, 0.3612**.

Distribution



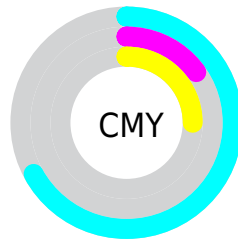
- Red (33%)
- Green (85%)
- Blue (75%)



- Red (33%)
- Yellow (62%)
- Blue (85%)



- Cyan (61%)
- Magenta (0%)
- Yellow (13%)
- Black (15%)




- Cyan (67%)
- Magenta (15%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7453, 0.2514, 0.3686 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 55.7453, 0.2514, 0.3686 by changing the saturation by 10% instead.


 55.7453, 0.2514,
0.3686


 55.7453, 0.2514,
0.3686

408.7309, 0.2811,
0.3492


 39.9988, 0.2443,
0.3733


 98.6321, 0.2620,
0.3616

 27.5376, 0.2354,
0.3793


 126.5411, 0.2660,
0.3590

 17.9774, 0.2238,
0.3871


 159.2731, 0.2694,
0.3568

 10.9337, 0.2083,
0.3978

 197.2124, 0.2724,
0.3548

 6.0223, 0.1864,
0.4131

240.7434, 0.2750,
0.3531

 2.8586, 0.1537,
0.4367

290.2506, 0.2773,

 1.0584, 0.0000,

0.3517

0.5313

346.1183, 0.2793,
0.3504

■ 0.0000, 0.0000,
0.0000

■ 55.7453, 0.2514,
0.3686

■ 55.7453, 0.2514,
0.3686

■ 54.6973, 0.2468,
0.3762

■ 57.1168, 0.2579,
0.3612

■ 53.9360, 0.2441,
0.3839

■ 58.8317, 0.2662,
0.3540

■ 53.4275, 0.2434,
0.3916

■ 60.9156, 0.2759,
0.3472

■ 53.1412, 0.2439,
0.3981

■ 63.3900, 0.2867,
0.3409

■ 66.2748, 0.2985,
0.3351

■ 69.5884, 0.3109,
0.3297

■ 73.3482, 0.3236,
0.3250

■ 76.9210, 0.3339,
0.3206

■ 77.1751, 0.3307,
0.3161

Harmonies

Analogous

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



55.7453, 0.3013, 0.4167



55.7453, 0.2514, 0.3686



55.7453, 0.2195, 0.3109

Triad

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



55.7453, 0.2514, 0.3686



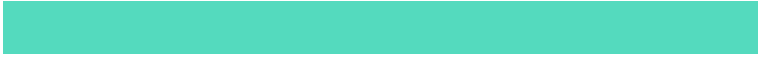
55.7453, 0.2626, 0.2414



55.7453, 0.4257, 0.3775

Complementary

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



55.7453, 0.2514, 0.3686



22.4151, 0.4653, 0.2979

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.



55.7453, 0.4152, 0.3334



55.7453, 0.2514, 0.3686



55.7453, 0.3162, 0.2589

Square

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



55.7453, 0.2514, 0.3686



55.7453, 0.2259, 0.2429



55.7453, 0.3736, 0.2915



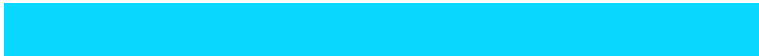
55.7453, 0.4031, 0.4151

Rectangle

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



55.7453, 0.2514, 0.3686



55.7453, 0.2112, 0.2787



55.7453, 0.3736, 0.2915



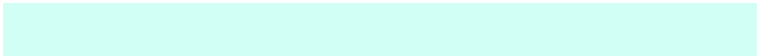
55.7453, 0.4261, 0.3630

Sweetspot

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



55.7475, 0.2514, 0.3686



91.7074, 0.2906, 0.3389



54.2979, 0.3193, 0.5177



19.3825, 0.2872, 0.3407



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.



55.7475, 0.2514, 0.3686



77.6241, 0.2457, 0.3787



39.6029, 0.2259, 0.2741



14.7805, 0.3010, 0.3339



31.8516, 0.2436, 0.3969



2.0755, 0.2401, 0.3845

Inverse Universe

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



22.4151, 0.4653, 0.2979



26.2267, 0.5190, 0.2972



29.4557, 0.4742, 0.3728



13.0958, 0.3259, 0.3241



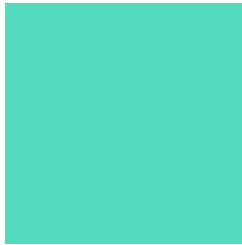
9.0587, 0.6041, 0.3101



0.5995, 0.5585, 0.2850

Previews

White Background



This preview shows how the Yxy color 55.7453, 0.2514, 0.3686 looks on a white background.

Color Contrast Check

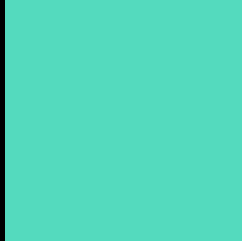
Large Text (above 18pt) WCAG AA × Fail

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 55.7453, 0.2514, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

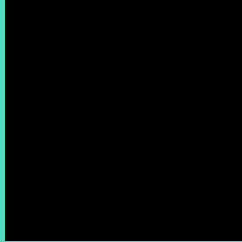
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

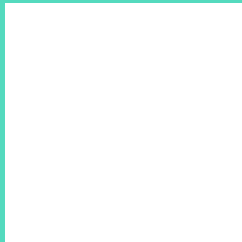
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7453, 0.2514, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 55.7453, 0.2514, 0.3686.

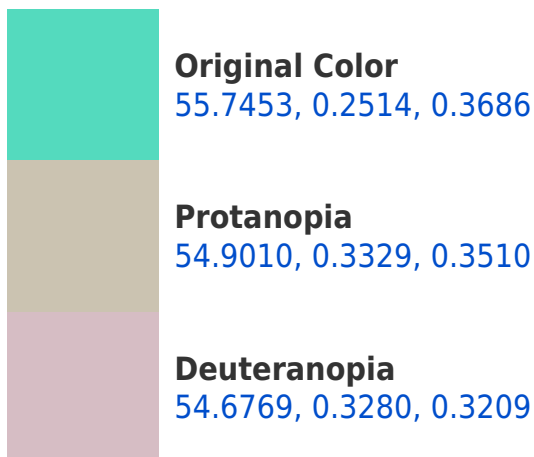


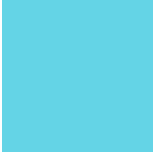
This preview shows how white text looks on a background with the Yxy color 55.7453, 0.2514, 0.3686.

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

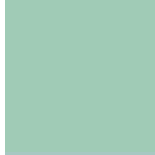
55.5095, 0.2368, 0.3052

Trichromacy



Original Color

55.7453, 0.2514, 0.3686



Protanomaly

53.5629, 0.2951, 0.3568



Deuteranomaly

53.4191, 0.2920, 0.3367



Tritanomaly

55.3791, 0.2420, 0.3274

Monochromacy



Original Color

55.7453, 0.2514, 0.3686



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.3077, 0.2828, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7453, 0.2514, 0.3686 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(84, 218, 190)` looks like.

```
.text, #text, p{  
    color:rgb(84, 218, 190)  
}
```

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(84, 218, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 218, 190) }
```

Border

The CSS property to change the border of an element to Yxy 55.7453, 0.2514, 0.3686 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(84, 218, 190) }
```

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

```
.border{ border-color:rgb(84, 218, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 218, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 218, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 218, 190);  
box-shadow:4px 4px 4px 4px rgb(84, 218,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7453, 0.2514, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 218, 190) }
```

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

```
.background{ background-color: rgb(84, 218,  
190) }
```

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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