

Converting Colors

$Yxy(55.0488, 0.2662, 0.4258)$

Have a look what the booklet for
Yxy(55.0488, 0.2662, 0.4258)
contains.

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Color

Yxy(55.0488, 0.2662, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	4BDC9B
RGB	75, 220, 155
RGB Percent	29%, 86%, 61%
CMY	0.7056, 0.1373, 0.3922
CMYK	0.66, 0.00, 0.30, 0.14
HSL	153°, 67%, 58%
HSV	153°, 66%, 86%
XYZ	34.4152, 55.0488, 39.8192
YIQ	169.2350, -65.5550, -50.9550

Conversions

Conversions Part 2

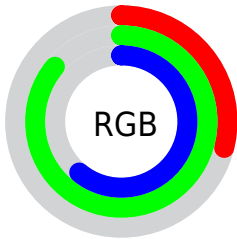
Format	Color
RYB	75, 168, 220
Decimal	4971675
CIELab	79.07, -53.41, 20.89
CIELCh	79, 57.347, 158.638
Yxy	55.0488, 0.2662, 0.4258
Android (android.graphics.Color)	4283161755 (0xFF4BDC9B)
YUV	169.2350, -7.0179, -82.6441
Hunter-Lab	74.1949, -47.0440, 20.1164

Details

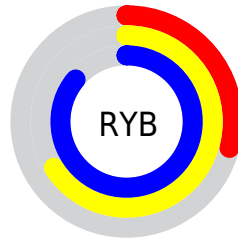
The Yxy color **55.0488, 0.2662, 0.4258** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **22.1541, 0.4271, 0.2573**, and the grayscale version is **39.8695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5764, 0.2716, 0.3828**, and **27.5504, 0.2590, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **53.9929, 0.2644, 0.4435**, and if you desaturate by 10%, it is **56.4429, 0.2699, 0.4084**.

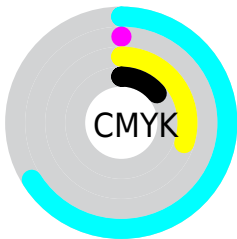
Distribution



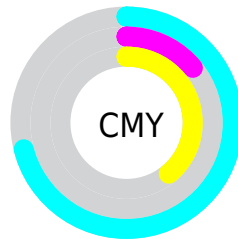
- Red (29%)
- Green (86%)
- Blue (61%)



- Red (29%)
- Yellow (66%)
- Blue (86%)



- Cyan (66%)
- Magenta (0%)
- Yellow (30%)
- Black (14%)





- Cyan (71%)
- Magenta (14%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0488, 0.2662, 0.4258 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 55.0488, 0.2662, 0.4258 by changing the saturation by 10% instead.


 55.0488, 0.2662,
0.4258


 55.0488, 0.2662,
0.4258


406.0969, 0.2902,
0.3758


 39.4408, 0.2600,
0.4387

 97.6125, 0.2751,
0.4073

 27.1028, 0.2520,
0.4555


 125.3369, 0.2783,
0.4005

 17.6505, 0.2412,
0.4782


 157.8689, 0.2811,
0.3947

 10.6993, 0.2258,
0.5104

 195.5929, 0.2835,
0.3898

 5.8650, 0.2026,
0.5593

238.8934, 0.2855,
0.3856

 2.7632, 0.1633,
0.6420

288.1546, 0.2872,

 1.0094, 0.0000,

0.3819

1.0000

343.7609, 0.2888,
0.3787

0.0000, 0.0000,
0.0000

55.0488, 0.2662,
0.4258

55.0488, 0.2662,
0.4258

53.9929, 0.2644,
0.4435

56.4429, 0.2699,
0.4084

53.2347, 0.2646,
0.4610

58.1977, 0.2754,
0.3916

52.7348, 0.2668,
0.4780


60.3410, 0.2821,
0.3758


52.5739, 0.2680,
0.4848


62.8964, 0.2899,
0.3611

65.8853, 0.2984,
0.3476

 69.3276, 0.3074,
0.3355

 73.2420, 0.3165,
0.3247

 77.6462, 0.3256,
0.3151

 78.9655, 0.3217,
0.3056

Harmonies

Analogous

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



55.0488, 0.3375, 0.4672



55.0488, 0.2662, 0.4258



55.0488, 0.2113, 0.3475

Triad

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



55.0488, 0.2662, 0.4258



55.0488, 0.2168, 0.2143



55.0488, 0.4605, 0.3550

Complementary

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



55.0488, 0.2662, 0.4258



22.1541, 0.4271, 0.2573

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.



55.0488, 0.4213, 0.3005



55.0488, 0.2662, 0.4258



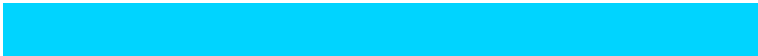
55.0488, 0.2734, 0.2237

Square

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



55.0488, 0.2662, 0.4258



55.0488, 0.1868, 0.2299



55.0488, 0.3490, 0.2543



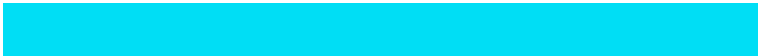
55.0488, 0.4528, 0.4103

Rectangle

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



55.0488, 0.2662, 0.4258



55.0488, 0.1901, 0.2963



55.0488, 0.3490, 0.2543



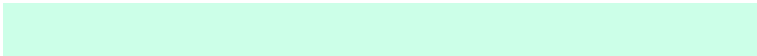
55.0488, 0.4525, 0.3363

Sweetspot

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



55.0510, 0.2662, 0.4258



90.1906, 0.2947, 0.3533



57.2955, 0.3406, 0.5173



19.0539, 0.2923, 0.3571



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.



55.0510, 0.2662, 0.4258



74.9954, 0.2642, 0.4502



54.1303, 0.2330, 0.3189



14.7258, 0.3042, 0.3397



30.8784, 0.2673, 0.4823



2.0177, 0.2597, 0.4549

Inverse Universe

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



22.1541, 0.4271, 0.2573



25.8675, 0.4651, 0.2529



21.8082, 0.5226, 0.3369



13.1481, 0.3222, 0.3186



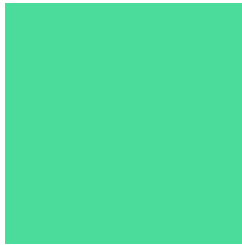
9.4768, 0.5166, 0.2620



0.6311, 0.4767, 0.2400

Previews

White Background



This preview shows how the Yxy color 55.0488, 0.2662, 0.4258 looks on a white background.

Color Contrast Check

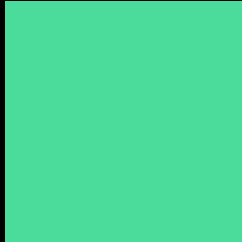
Large Text (above 18pt) WCAG AA × Fail

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 55.0488, 0.2662, 0.4258 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 55.0488, 0.2662, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 55.0488, 0.2662, 0.4258.



This preview shows how white text looks on a background with the Yxy color 55.0488, 0.2662, 0.4258.

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

55.0488, 0.2662, 0.4258

Protanopia

53.9766, 0.3642, 0.3911

Deuteranopia

53.9966, 0.3651, 0.3582



Tritanopia

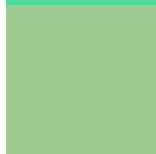
55.0147, 0.2382, 0.3064

Trichromacy



Original Color

55.0488, 0.2662, 0.4258



Protanomaly

52.2920, 0.3189, 0.4055



Deuteranomaly

51.8961, 0.3188, 0.3825



Tritanomaly

54.5855, 0.2479, 0.3470

Monochromacy



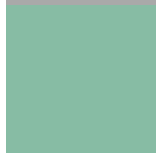
Original Color

55.0488, 0.2662, 0.4258



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.7977, 0.2884, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0488, 0.2662, 0.4258 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(75, 220, 155)` looks like.

```
.text, #text, p{  
    color:rgb(75, 220, 155)  
}
```

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(75, 220, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 220, 155) }
```

Border

The CSS property to change the border of an element to Yxy 55.0488, 0.2662, 0.4258 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(75, 220, 155) }
```

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

```
.border{ border-color:rgb(75, 220, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 220, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 220, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 220, 155);  
box-shadow:4px 4px 4px 4px rgb(75, 220,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0488, 0.2662, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 220, 155) }
```

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

```
.background{ background-color: rgb(75, 220,  
155) }
```

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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