

Converting Colors

$Y_{xy}(44.1212, 0.2561, 0.3837)$

Have a look what the booklet for
Yxy(44.1212, 0.2561, 0.3837)
contains.

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Color

Yxy(44.0727, 0.2560, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	4BC5A3
RGB	75, 197, 163
RGB Percent	29%, 77%, 64%
CMY	0.7057, 0.2275, 0.3607
CMYK	0.62, 0.00, 0.17, 0.23
HSL	163°, 51%, 53%
HSV	163°, 62%, 77%
XYZ	29.4816, 44.0727, 41.6082
YIQ	156.6460, -61.7980, -36.4380

Conversions

Conversions Part 2

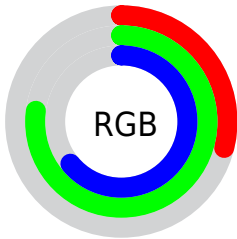
Format	Color
RYB	75, 146, 197
Decimal	4965795
CIELab	72.28, -42.04, 7.07
CIElCh	72, 42.634, 170.458
Yxy	44.0727, 0.2560, 0.3827
Android (android.graphics.Color)	4283155875 (0xFF4BC5A3)
YUV	156.6460, 3.1325, -71.6035
Hunter-Lab	66.3873, -36.9085, 9.3111

Details

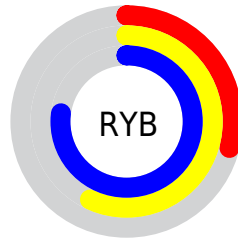
The Yxy color **44.0727, 0.2560, 0.3827** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.0126, 0.4509, 0.2869**, and the grayscale version is **33.5619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0965, 0.2663, 0.3718**, and **20.4937, 0.2442, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **43.2062, 0.2519, 0.3931**, and if you desaturate by 10%, it is **45.1971, 0.2619, 0.3726**.

Distribution



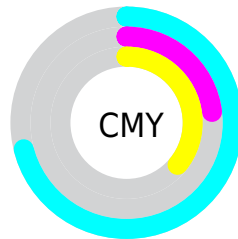
- Red (29%)
- Green (77%)
- Blue (64%)



- Red (29%)
- Yellow (57%)
- Blue (77%)



- Cyan (62%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)





- Cyan (71%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0727, 0.2560, 0.3827 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 44.0727, 0.2560, 0.3827 by changing the saturation by 10% instead.


 44.0727, 0.2560,
0.3827

 44.0727, 0.2560,
0.3827


363.0049, 0.2849,
0.3548

 30.7277, 0.2487,
0.3900


 81.3271, 0.2666,
0.3723


 20.3916, 0.2391,
0.3996


 106.0053, 0.2705,
0.3685

 12.6800, 0.2264,
0.4126


 135.2300, 0.2739,
0.3653

 7.2086, 0.2084,
0.4315


 169.3856, 0.2767,
0.3626

 3.5929, 0.1814,
0.4612

208.8565, 0.2792,
0.3602

 1.4485, 0.0983,
0.5365

254.0271, 0.2813,

 0.2521, 0.0000,

0.3582

1.0000

305.2817, 0.2832,
0.3564

0.0000, 0.0000,
0.0000

44.0727, 0.2560,
0.3827

44.0727, 0.2560,
0.3827

43.2062, 0.2519,
0.3931

45.1971, 0.2619,
0.3726

42.5689, 0.2499,
0.4036

46.5949, 0.2695,
0.3629

42.1341, 0.2497,
0.4141

48.2862, 0.2784,
0.3537

41.8882, 0.2507,
0.4225

50.2881, 0.2884,
0.3452

52.6160, 0.2992,
0.3374

■ 55.2845, 0.3105,
0.3303

■ 58.3072, 0.3221,
0.3239

■ 61.6969, 0.3337,
0.3182

■ 65.4659, 0.3453,
0.3132

Harmonies

Analogous

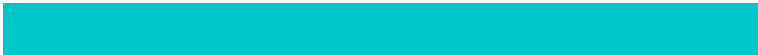
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0727, 0.3112, 0.4294



44.0727, 0.2560, 0.3827



44.0727, 0.2182, 0.3203

Triad

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



44.0727, 0.2560, 0.3827



44.0727, 0.2505, 0.2349



44.0727, 0.4339, 0.3713

Complementary

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



44.0727, 0.2560, 0.3827



18.0126, 0.4509, 0.2869

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.



44.0727, 0.4161, 0.3245



44.0727, 0.2560, 0.3827



44.0727, 0.3047, 0.2500

Square

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



44.0727, 0.2560, 0.3827



44.0727, 0.2159, 0.2403



44.0727, 0.3667, 0.2817



44.0727, 0.4155, 0.4137

Rectangle

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



44.0727, 0.2560, 0.3827



44.0727, 0.2064, 0.2837



44.0727, 0.3667, 0.2817



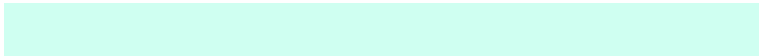
44.0727, 0.4321, 0.3557

Sweetspot

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



44.0744, 0.2560, 0.3827



91.1014, 0.2912, 0.3431



43.7298, 0.3249, 0.5145



19.2544, 0.2881, 0.3454



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.



44.0744, 0.2560, 0.3827



76.9726, 0.2510, 0.3965



34.4941, 0.2289, 0.2875



12.0152, 0.3020, 0.3355



27.5668, 0.2503, 0.4211



1.3171, 0.2443, 0.3995

Inverse Universe

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



18.0126, 0.4509, 0.2869



26.5208, 0.4996, 0.2848



21.7767, 0.4824, 0.3623



10.6847, 0.3247, 0.3226



8.0008, 0.5814, 0.2976



0.3915, 0.5201, 0.2639

Previews

White Background



This preview shows how the Yxy color 44.0727, 0.2560, 0.3827 looks on a white background.

Color Contrast Check

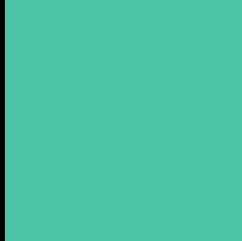
Large Text (above 18pt) WCAG AA × Fail

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 44.0727, 0.2560, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

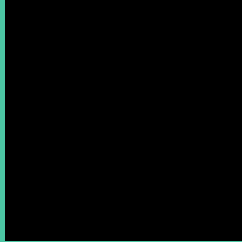
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

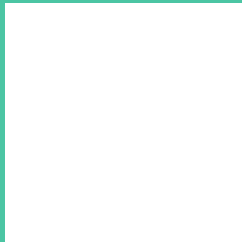
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0727, 0.2560, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 44.0727, 0.2560, 0.3827.



This preview shows how white text looks on a background with the Yxy color 44.0727, 0.2560, 0.3827.

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

44.0727, 0.2560, 0.3827

Protanopia

43.2412, 0.3413, 0.3599

Deuteranopia

43.3498, 0.3376, 0.3304



Tritanopia

43.9931, 0.2386, 0.3071

Trichromacy



Original Color

44.0727, 0.2560, 0.3827



Protanomaly

42.2870, 0.3018, 0.3687



Deuteranomaly

42.1079, 0.2992, 0.3476



Tritanomaly

43.8361, 0.2448, 0.3333

Monochromacy



Original Color

44.0727, 0.2560, 0.3827



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.5203, 0.2846, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0727, 0.2560, 0.3827 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, 197, 163)` looks like.

```
.text, #text, p{  
    color:rgb(75, 197, 163)  
}
```

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, 197, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 197, 163) }
```

Border

The CSS property to change the border of an element to Yxy 44.0727, 0.2560, 0.3827 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, 197, 163) }
```

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

```
.border{ border-color:rgb(75, 197, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 197, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 197, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 197, 163);  
box-shadow:4px 4px 4px 4px rgb(75, 197,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0727, 0.2560, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 197, 163) }
```

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

```
.background{ background-color: rgb(75, 197,  
163) }
```

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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