

Converting Colors

$Yxy(44.3828, 0.2454, 0.3461)$

Have a look what the booklet for
Yxy(44.3828, 0.2454, 0.3461)
contains.

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Color

Yxy(44.5602, 0.2456, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	4EC4B8
RGB	78, 196, 184
RGB Percent	31%, 77%, 72%
CMY	0.6944, 0.2313, 0.2784
CMYK	0.60, 0.00, 0.06, 0.23
HSL	174°, 50%, 54%
HSV	174°, 60%, 77%
XYZ	31.5298, 44.5602, 52.2886
YIQ	159.3500, -66.4760, -28.7480

Conversions

Conversions Part 2

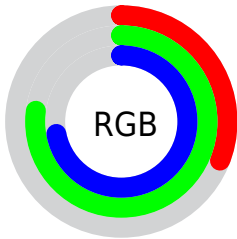
Format	Color
RYB	78, 140, 196
Decimal	5162168
CIELab	72.60, -35.78, -3.86
CIELCh	73, 35.987, 186.155
Yxy	44.5602, 0.2456, 0.3471
Android (android.graphics.Color)	4283352248 (0xFF4EC4B8)
YUV	159.3500, 12.1525, -71.3439
Hunter-Lab	66.7534, -32.5072, 0.2850

Details

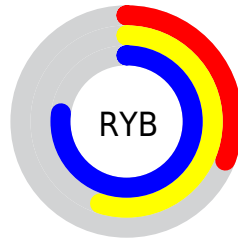
The Yxy color **44.5602, 0.2456, 0.3471** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.9142, 0.4801, 0.3147**, and the grayscale version is **34.7992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0308, 0.2578, 0.3439**, and **20.9847, 0.2312, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **43.7715, 0.2399, 0.3506**, and if you desaturate by 10%, it is **45.6001, 0.2532, 0.3437**.

Distribution



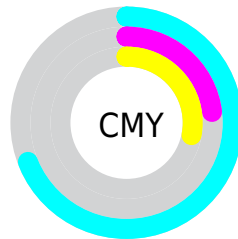
- Red (31%)
- Green (77%)
- Blue (72%)



- Red (31%)
- Yellow (55%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)




- Cyan (69%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5602, 0.2456, 0.3471 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 44.5602, 0.2456, 0.3471 by changing the saturation by 10% instead.


 44.5602, 0.2456,
0.3471


 44.5602, 0.2456,
0.3471


364.9894, 0.2789,
0.3385

 31.1112, 0.2374,
0.3491


 82.0600, 0.2576,
0.3441


 20.6835, 0.2269,
0.3516


 106.8796, 0.2622,
0.3429

 12.8929, 0.2132,
0.3547


 136.2582, 0.2660,
0.3419

 7.3548, 0.1944,
0.3587


 170.5801, 0.2693,
0.3410

 3.6850, 0.1672,
0.3638

210.2298, 0.2722,
0.3403

 1.4989, 0.1132,
0.3750

255.5917, 0.2747,

 0.2880, 0.0000,

0.3396

0.3305

307.0501, 0.2769,
0.3390

0.0000, 0.0000,
0.0000

44.5602, 0.2456,
0.3471

44.5602, 0.2456,
0.3471

43.7715, 0.2399,
0.3506

45.6001, 0.2532,
0.3437

43.2062, 0.2361,
0.3541

46.9060, 0.2625,
0.3404

42.8392, 0.2341,
0.3575

48.4974, 0.2734,
0.3373

42.6217, 0.2336,
0.3609

50.3907, 0.2855,
0.3343

52.6010, 0.2986,
0.3316

■ 55.1424, 0.3124,
0.3291

■ 58.0280, 0.3266,
0.3268

■ 61.2705, 0.3410,
0.3248

■ 64.8816, 0.3554,
0.3230

Harmonies

Analogous

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



44.5602, 0.2865, 0.3950



44.5602, 0.2456, 0.3471



44.5602, 0.2232, 0.2978

Triad

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



44.5602, 0.2456, 0.3471



44.5602, 0.2828, 0.2529



44.5602, 0.4107, 0.3862

Complementary

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



44.5602, 0.2456, 0.3471



17.9142, 0.4801, 0.3147

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.



44.5602, 0.4113, 0.3473



44.5602, 0.2456, 0.3471



44.5602, 0.3338, 0.2741

Square

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



44.5602, 0.2456, 0.3471



44.5602, 0.2433, 0.2483



44.5602, 0.3824, 0.3075



44.5602, 0.3824, 0.4148

Rectangle

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



44.5602, 0.2456, 0.3471



44.5602, 0.2203, 0.2725



44.5602, 0.3824, 0.3075



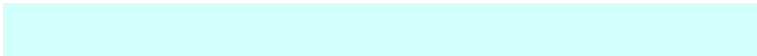
44.5602, 0.4143, 0.3739

Sweetspot

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



44.5619, 0.2456, 0.3471



92.0130, 0.2880, 0.3337



42.2937, 0.3117, 0.5170



19.4580, 0.2842, 0.3346



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.



44.5619, 0.2456, 0.3471



78.9503, 0.2386, 0.3516



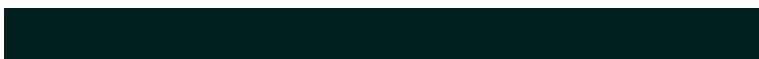
27.6555, 0.2232, 0.2559



11.4102, 0.2998, 0.3313



27.3909, 0.2335, 0.3604



1.1887, 0.2313, 0.3527

Inverse Universe

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



17.9142, 0.4801, 0.3147



26.5568, 0.5379, 0.3149



26.5015, 0.4567, 0.3874



10.0942, 0.3273, 0.3267



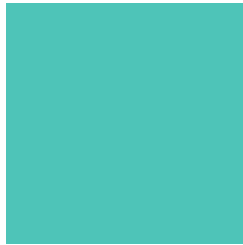
7.5792, 0.6267, 0.3226



0.3332, 0.5858, 0.3000

Previews

White Background



This preview shows how the Yxy color 44.5602, 0.2456, 0.3471 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 44.5602, 0.2456, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

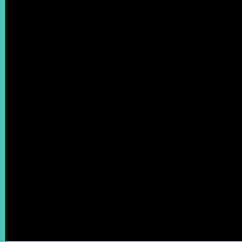
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

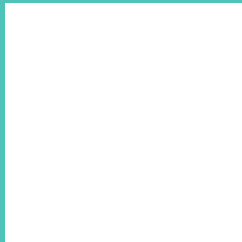
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5602, 0.2456, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 44.5602, 0.2456, 0.3471.

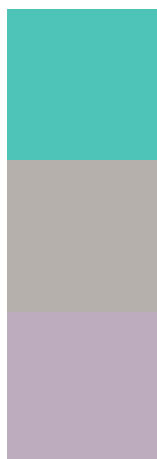


This preview shows how white text looks on a background with the Yxy color 44.5602, 0.2456, 0.3471.

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

44.5602, 0.2456, 0.3471

Protanopia

43.8530, 0.3204, 0.3343

Deuteranopia

43.8705, 0.3129, 0.3072



Tritanopia

44.3280, 0.2363, 0.3057

Trichromacy



Original Color

44.5602, 0.2456, 0.3471



Protanomaly

42.9309, 0.2864, 0.3390



Deuteranomaly

42.9315, 0.2815, 0.3205



Tritanomaly

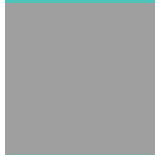
44.1483, 0.2394, 0.3199

Monochromacy



Original Color

44.5602, 0.2456, 0.3471



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.0780, 0.2803, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5602, 0.2456, 0.3471 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(78, 196, 184)` looks like.

```
.text, #text, p{  
    color:rgb(78, 196, 184)  
}
```

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(78, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 196, 184) }
```

Border

The CSS property to change the border of an element to Yxy 44.5602, 0.2456, 0.3471 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(78, 196, 184) }
```

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

```
.border{ border-color:rgb(78, 196, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 196, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 196, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 196, 184);  
box-shadow:4px 4px 4px 4px rgb(78, 196,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5602, 0.2456, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 196, 184) }
```

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

```
.background{ background-color: rgb(78, 196,  
184) }
```

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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