

Converting Colors

$Y_{xy}(44.9990, 0.2423, 0.3363)$

Have a look what the booklet for
Yxy(44.9990, 0.2423, 0.3363)
contains.

Yxy(44.9037, 0.2424, 0.3363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.9037, 0.2424, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	4FC4BF
RGB	79, 196, 191
RGB Percent	31%, 77%, 75%
CMY	0.6903, 0.2313, 0.2510
CMYK	0.60, 0.00, 0.03, 0.23
HSL	177°, 50%, 54%
HSV	177°, 60%, 77%
XYZ	32.3659, 44.9037, 56.2531
YIQ	160.4470, -68.1270, -26.3590

Conversions

Conversions Part 2

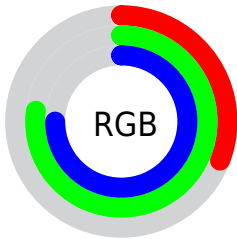
Format	Color
RYB	79, 139, 196
Decimal	5227711
CIELab	72.83, -33.72, -7.33
CIElCh	73, 34.512, 192.261
Yxy	44.9037, 0.2424, 0.3363
Android (android.graphics.Color)	4283417791 (0xFF4FC4BF)
YUV	160.4470, 15.0626, -71.4290
Hunter-Lab	67.0102, -31.0525, -2.8651

Details

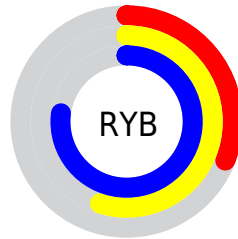
The Yxy color **44.9037, 0.2424, 0.3363** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.9628, 0.4890, 0.3234**, and the grayscale version is **35.3199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5414, 0.2551, 0.3357**, and **21.1810, 0.2270, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **44.1489, 0.2362, 0.3377**, and if you desaturate by 10%, it is **45.9099, 0.2505, 0.3349**.

Distribution



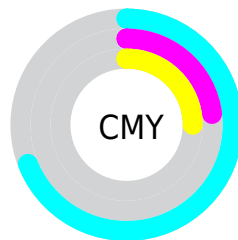
- Red (31%)
- Green (77%)
- Blue (75%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)




- Cyan (69%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9037, 0.2424, 0.3363 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 44.9037, 0.2424, 0.3363 by changing the saturation by 10% instead.


 44.9037, 0.2424,
0.3363

 44.9037, 0.2424,
0.3363


366.3834, 0.2771,
0.3334


 31.3816, 0.2339,
0.3368


 82.5759, 0.2549,
0.3354

 20.8896, 0.2232,
0.3373


 107.4947, 0.2596,
0.3350

 13.0433, 0.2091,
0.3376


 136.9813, 0.2636,
0.3347

 7.4584, 0.1901,
0.3377

 171.4199, 0.2671,
0.3344

 3.7504, 0.1629,
0.3366

211.1951, 0.2701,
0.3341

 1.5349, 0.1148,
0.3347

256.6911, 0.2727,

 0.3131, 0.0000,

0.3338

0.2684

308.2924, 0.2750,
0.3336

0.0000, 0.0000,
0.0000

44.9037, 0.2424,
0.3363

44.9037, 0.2424,
0.3363

44.1489, 0.2362,
0.3377

45.9099, 0.2505,
0.3349

43.6177, 0.2319,
0.3391

47.1820, 0.2604,
0.3336

43.2854, 0.2294,
0.3405

48.7396, 0.2718,
0.3323

43.1025, 0.2283,
0.3419

50.5989, 0.2846,
0.3311

43.0978, 0.2283,
0.3419

52.7750, 0.2985,
0.3300

■ 55.2818, 0.3131,
0.3290

■ 58.1326, 0.3283,
0.3281

■ 61.3399, 0.3436,
0.3272

■ 64.8454, 0.3587,
0.3265

Harmonies

Analogous

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



44.9037, 0.2787, 0.3838



44.9037, 0.2424, 0.3363



44.9037, 0.2249, 0.2911

Triad

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



44.9037, 0.2424, 0.3363



44.9037, 0.2935, 0.2588



44.9037, 0.4030, 0.3909

Complementary

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



44.9037, 0.2424, 0.3363



17.9628, 0.4890, 0.3234

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.



44.9037, 0.4093, 0.3548



44.9037, 0.2424, 0.3363



44.9037, 0.3432, 0.2820

Square

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



44.9037, 0.2424, 0.3363



44.9037, 0.2525, 0.2510



44.9037, 0.3869, 0.3160



44.9037, 0.3717, 0.4144

Rectangle

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



44.9037, 0.2424, 0.3363



44.9037, 0.2250, 0.2692



44.9037, 0.3869, 0.3160



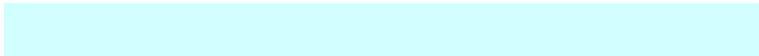
44.9037, 0.4082, 0.3797

Sweetspot

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



44.9054, 0.2424, 0.3363



92.1842, 0.2866, 0.3309



41.9696, 0.3071, 0.5180



19.5004, 0.2826, 0.3313



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.



44.9054, 0.2424, 0.3363



79.5996, 0.2345, 0.3382



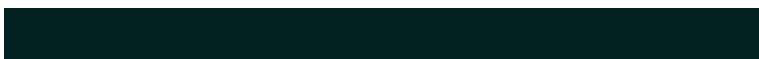
25.3928, 0.2209, 0.2433



11.4208, 0.2990, 0.3300



27.6934, 0.2283, 0.3417



1.1989, 0.2274, 0.3386

Inverse Universe

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



17.9628, 0.4890, 0.3234



26.3857, 0.5514, 0.3238



28.7037, 0.4478, 0.3970



10.0847, 0.3282, 0.3281



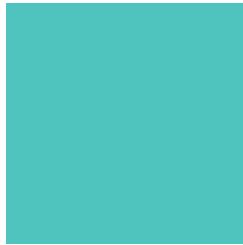
7.5558, 0.6348, 0.3270



0.3289, 0.6157, 0.3165

Previews

White Background



This preview shows how the Yxy color 44.9037, 0.2424, 0.3363 looks on a white background.

Color Contrast Check

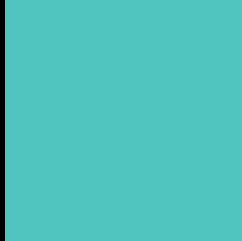
Large Text (above 18pt) WCAG AA × Fail

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 44.9037, 0.2424, 0.3363 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

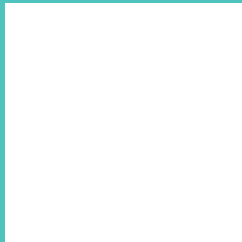
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9037, 0.2424, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 44.9037, 0.2424, 0.3363.

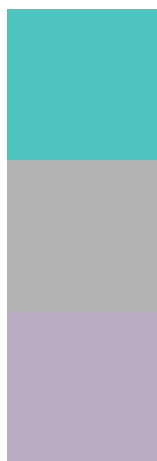


This preview shows how white text looks on a background with the Yxy color 44.9037, 0.2424, 0.3363.

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

44.9037, 0.2424, 0.3363

Protanopia

44.4023, 0.3137, 0.3264

Deuteranopia

44.3118, 0.3054, 0.2997



Tritanopia

44.7696, 0.2357, 0.3058

Trichromacy



Original Color

44.9037, 0.2424, 0.3363

Protanomaly

43.5395, 0.2808, 0.3303

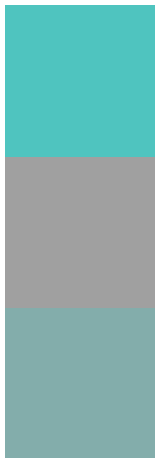
Deuteranomaly

43.1458, 0.2759, 0.3109

Tritanomaly

44.7327, 0.2382, 0.3171

Monochromacy



Original Color

44.9037, 0.2424, 0.3363

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.6527, 0.2791, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9037, 0.2424, 0.3363 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(79, 196, 191)` looks like.

```
.text, #text, p{  
    color:rgb(79, 196, 191)  
}
```

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(79, 196, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 196, 191) }
```

Border

The CSS property to change the border of an element to Yxy 44.9037, 0.2424, 0.3363 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(79, 196, 191) }
```

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

```
.border{ border-color:rgb(79, 196, 191) }
```

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

Here you see how a box with a 4 pixel rgb(79, 196, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 196, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 196, 191);  
box-shadow:4px 4px 4px 4px rgb(79, 196,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9037, 0.2424, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 196, 191) }
```

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

```
.background{ background-color: rgb(79, 196,  
191) }
```

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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