

Converting Colors

$Yxy(44.6568, 0.2363, 0.3542)$

Have a look what the booklet for
Yxy(44.6568, 0.2363, 0.3542)
contains.

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Color

Yxy(44.7169, 0.2361, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	28C7B7
RGB	40, 199, 183
RGB Percent	16%, 78%, 72%
CMY	0.8427, 0.2196, 0.2823
CMYK	0.80, 0.00, 0.08, 0.22
HSL	174°, 66%, 47%
HSV	174°, 80%, 78%
XYZ	29.8492, 44.7169, 51.8600
YIQ	149.6350, -89.6280, -38.6840

Conversions

Conversions Part 2

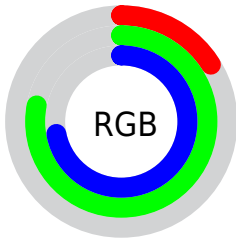
Format	Color
RYB	40, 124, 199
Decimal	2672567
CIELab	72.71, -42.49, -3.25
CIELCh	73, 42.613, 184.375
Yxy	44.7169, 0.2361, 0.3537
Android (android.graphics.Color)	4280862647 (0xFF28C7B7)
YUV	149.6350, 16.4489, -96.1499
Hunter-Lab	66.8707, -37.3463, 0.8285

Details

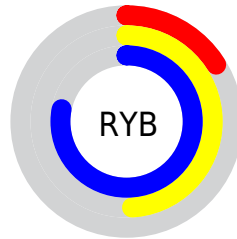
The Yxy color **44.7169, 0.2361, 0.3537** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.9541, 0.5674, 0.3163**, and the grayscale version is **30.3095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3968, 0.2495, 0.3477**, and **21.5582, 0.2330, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **44.3333, 0.2341, 0.3571**, and if you desaturate by 10%, it is **45.3104, 0.2400, 0.3502**.

Distribution



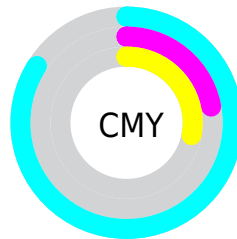
- Red (16%)
- Green (78%)
- Blue (72%)



- Red (16%)
- Yellow (49%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7169, 0.2361, 0.3537 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 44.7169, 0.2361, 0.3537 by changing the saturation by 10% instead.


 44.7169, 0.2361,
0.3537


 44.7169, 0.2361,
0.3537


365.6258, 0.2741,
0.3418

 31.2345, 0.2268,
0.3565


 82.2954, 0.2498,
0.3495

 20.7775, 0.2150,
0.3599

 107.1603, 0.2549,
0.3479


 12.9614, 0.1995,
0.3643


 136.5882, 0.2593,
0.3465

 7.4020, 0.1785,
0.3700

 170.9634, 0.2631,
0.3453

 3.7148, 0.1485,
0.3775

 210.6704, 0.2664,
0.3443

 1.5153, 0.0786,
0.3975

256.0935, 0.2693,

 0.2995, 0.0000,

0.3434

0.3512

307.6172, 0.2718,
0.3426

■ 0.0000, 0.0000,
0.0000

■ 44.7169, 0.2361,
0.3537

■ 44.7169, 0.2361,
0.3537

■ 44.3333, 0.2341,
0.3571

■ 45.3104, 0.2400,
0.3502

■ 44.1027, 0.2335,
0.3605

■ 46.1363, 0.2458,
0.3468

■ 44.0993, 0.2335,
0.3606

■ 47.2197, 0.2534,
0.3434

■ 48.5813, 0.2628,
0.3402

■ 50.2395, 0.2737,
0.3371

■ 52.2111, 0.2859,
0.3341

■ 54.5119, 0.2991,
0.3314

■ 57.1564, 0.3129,
0.3290

■ 60.1583, 0.3272,
0.3267

Harmonies

Analogous

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



44.7169, 0.2844, 0.4111



44.7169, 0.2361, 0.3537



44.7169, 0.2093, 0.2942

Triad

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



44.7169, 0.2361, 0.3537



44.7169, 0.2739, 0.2400



44.7169, 0.4290, 0.3919

Complementary

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



44.7169, 0.2361, 0.3537



13.9541, 0.5674, 0.3163

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.



44.7169, 0.4284, 0.3461



44.7169, 0.2361, 0.3537



44.7169, 0.3335, 0.2633

Square

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



44.7169, 0.2361, 0.3537



44.7169, 0.2296, 0.2355



44.7169, 0.3922, 0.3008



44.7169, 0.3965, 0.4280

Rectangle

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



44.7169, 0.2361, 0.3537



44.7169, 0.2053, 0.2641



44.7169, 0.3922, 0.3008



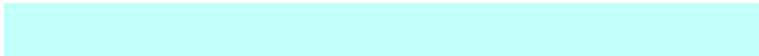
44.7169, 0.4329, 0.3771

Sweetspot

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



44.7186, 0.2361, 0.3537



89.7924, 0.2803, 0.3354



41.9193, 0.3077, 0.5709



18.9579, 0.2759, 0.3365



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.



44.7186, 0.2361, 0.3537



77.3192, 0.2336, 0.3597



22.7810, 0.2020, 0.2268



12.0485, 0.2997, 0.3313



28.3649, 0.2334, 0.3601



1.3485, 0.2314, 0.3530

Inverse Universe

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



13.9541, 0.5674, 0.3163



21.6018, 0.6235, 0.3234



21.6076, 0.5210, 0.3937



10.6540, 0.3274, 0.3267



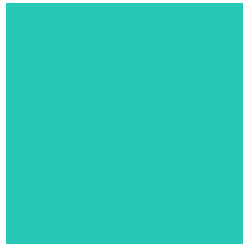
7.8464, 0.6271, 0.3228



0.3776, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 44.7169, 0.2361, 0.3537 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 44.7169, 0.2361, 0.3537 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

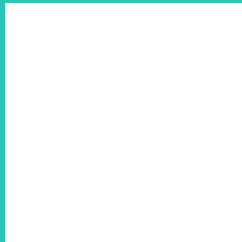
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7169, 0.2361, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 44.7169, 0.2361, 0.3537.

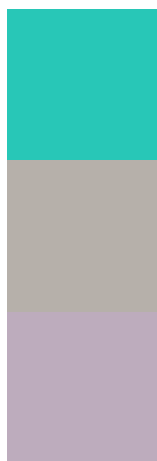


This preview shows how white text looks on a background with the Yxy color 44.7169, 0.2361, 0.3537.

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

44.7169, 0.2361, 0.3537

Protanopia

43.8980, 0.3230, 0.3370

Deuteranopia

43.9980, 0.3137, 0.3073



Tritanopia

44.7255, 0.2267, 0.3054

Trichromacy



Original Color

44.7169, 0.2361, 0.3537



Protanomaly

42.1220, 0.2769, 0.3422



Deuteranomaly

42.1946, 0.2721, 0.3217



Tritanomaly

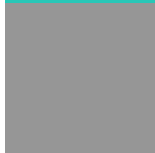
44.4538, 0.2295, 0.3213

Monochromacy



Original Color

44.7169, 0.2361, 0.3537



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.9289, 0.2690, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7169, 0.2361, 0.3537 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(40, 199, 183)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 183)  
}
```

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(40, 199, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 183) }
```

Border

The CSS property to change the border of an element to Yxy 44.7169, 0.2361, 0.3537 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(40, 199, 183) }
```

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

```
.border{ border-color:rgb(40, 199, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(40, 199, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(40, 199, 183); box-shadow:4px 4px 4px 4px rgb(40, 199, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7169, 0.2361, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 183) }
```

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

```
.background{ background-color: rgb(40, 199,  
183) }
```

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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