

Converting Colors

$Yxy(44.3464, 0.2374, 0.3538)$

Have a look what the booklet for
Yxy(44.3464, 0.2374, 0.3538)
contains.

Yxy(44.3464, 0.2374, 0.3538)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.3464, 0.2374, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	2EC6B6
RGB	46, 198, 182
RGB Percent	18%, 78%, 71%
CMY	0.8204, 0.2235, 0.2863
CMYK	0.77, 0.00, 0.08, 0.22
HSL	174°, 62%, 48%
HSV	174°, 77%, 78%
XYZ	29.7565, 44.3464, 51.2403
YIQ	150.7280, -85.4560, -37.2000

Conversions

Conversions Part 2

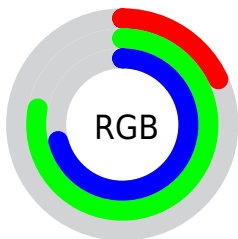
Format	Color
RYB	46, 126, 198
Decimal	3065526
CIELab	72.46, -41.78, -3.05
CIElCh	72, 41.893, 184.174
Yxy	44.3464, 0.2374, 0.3538
Android (android.graphics.Color)	4281255606 (0xFF2EC6B6)
YUV	150.7280, 15.4171, -91.8465
Hunter-Lab	66.5931, -36.7770, 0.9943

Details

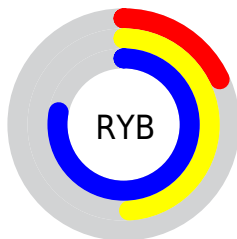
The Yxy color **44.3464, 0.2374, 0.3538** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.2927, 0.5536, 0.3149**, and the grayscale version is **30.7625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4750, 0.2506, 0.3489**, and **21.2299, 0.2330, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **43.9058, 0.2349, 0.3574**, and if you desaturate by 10%, it is **45.0033, 0.2418, 0.3502**.

Distribution



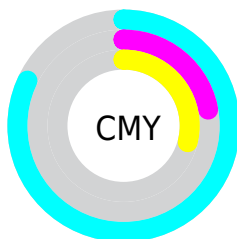
- Red (18%)
- Green (78%)
- Blue (71%)



- Red (18%)
- Yellow (49%)
- Blue (78%)



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (82%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3464, 0.2374, 0.3538 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 44.3464, 0.2374, 0.3538 by changing the saturation by 10% instead.


 44.3464, 0.2374,
0.3538


 44.3464, 0.2374,
0.3538

364.1200, 0.2748,
0.3418

 30.9429, 0.2282,
0.3566


 81.7387, 0.2509,
0.3496


 20.5554, 0.2165,
0.3602


 106.4964, 0.2560,
0.3479


 12.7994, 0.2012,
0.3646


 135.8076, 0.2603,
0.3466

 7.2906, 0.1803,
0.3705

 170.0566, 0.2640,
0.3454

 3.6445, 0.1504,
0.3782

 209.6280, 0.2672,
0.3443

 1.4767, 0.0788,
0.3997

254.9061, 0.2701,

 0.2723, 0.0000,

0.3434

306.2753, 0.2726,
0.3426

0.3482

0.0000, 0.0000,
0.0000

44.3464, 0.2374,
0.3538

44.3464, 0.2374,
0.3538

43.9058, 0.2349,
0.3574

45.0033, 0.2418,
0.3502

43.6419, 0.2340,
0.3610

45.8973, 0.2481,
0.3466

43.5757, 0.2339,
0.3621

47.0522, 0.2563,
0.3431

48.4878, 0.2661,
0.3397

50.2218, 0.2774,
0.3365

■ 52.2705, 0.2899,
0.3335

■ 54.6489, 0.3032,
0.3308

■ 57.3712, 0.3171,
0.3282

■ 60.4508, 0.3314,
0.3260

Harmonies

Analogous

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



44.3464, 0.2852, 0.4101



44.3464, 0.2374, 0.3538



44.3464, 0.2107, 0.2951

Triad

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



44.3464, 0.2374, 0.3538



44.3464, 0.2741, 0.2410



44.3464, 0.4275, 0.3909

Complementary

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



44.3464, 0.2374, 0.3538



14.2927, 0.5536, 0.3149

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.



44.3464, 0.4266, 0.3457



44.3464, 0.2374, 0.3538



44.3464, 0.3328, 0.2639

Square

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



44.3464, 0.2374, 0.3538



44.3464, 0.2304, 0.2367



44.3464, 0.3907, 0.3009



44.3464, 0.3957, 0.4265

Rectangle

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



44.3464, 0.2374, 0.3538



44.3464, 0.2066, 0.2653



44.3464, 0.3907, 0.3009



44.3464, 0.4312, 0.3763

Sweetspot

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



44.3481, 0.2374, 0.3538



90.1314, 0.2817, 0.3354



41.6660, 0.3084, 0.5642



19.0219, 0.2772, 0.3366



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.



44.3481, 0.2374, 0.3538



77.4029, 0.2342, 0.3598



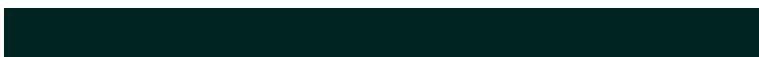
23.3137, 0.2048, 0.2313



12.0476, 0.2998, 0.3314



28.3413, 0.2338, 0.3616



1.3476, 0.2317, 0.3541

Inverse Universe

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



14.2927, 0.5536, 0.3149



21.9648, 0.6131, 0.3209



22.1350, 0.5115, 0.3938



10.6548, 0.3273, 0.3266



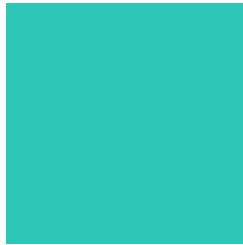
7.8487, 0.6263, 0.3224



0.3779, 0.5866, 0.3005

Previews

White Background



This preview shows how the Yxy color 44.3464, 0.2374, 0.3538 looks on a white background.

Color Contrast Check

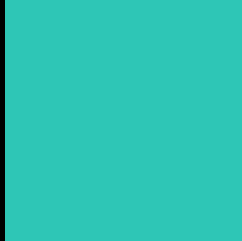
Large Text (above 18pt) WCAG AA × Fail

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 44.3464, 0.2374, 0.3538 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

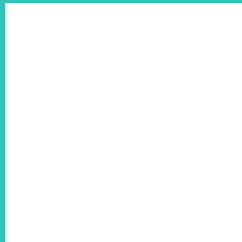
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3464, 0.2374, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 44.3464, 0.2374, 0.3538.

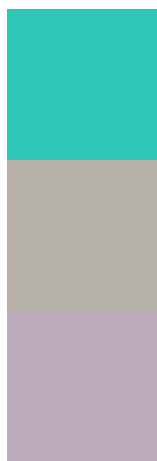


This preview shows how white text looks on a background with the Yxy color 44.3464, 0.2374, 0.3538.

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

44.3464, 0.2374, 0.3538

Protanopia

43.7390, 0.3229, 0.3384

Deuteranopia

43.4480, 0.3137, 0.3072



Tritanopia

44.3267, 0.2276, 0.3054

Trichromacy



Original Color

44.3464, 0.2374, 0.3538



Protanomaly

42.2425, 0.2790, 0.3436



Deuteranomaly

41.8272, 0.2733, 0.3217



Tritanomaly

44.0702, 0.2306, 0.3213

Monochromacy



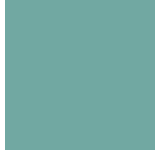
Original Color

44.3464, 0.2374, 0.3538



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.1246, 0.2712, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3464, 0.2374, 0.3538 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(46, 198, 182)` looks like.

```
.text, #text, p{  
    color:rgb(46, 198, 182)  
}
```

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(46, 198, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 198, 182) }
```

Border

The CSS property to change the border of an element to Yxy 44.3464, 0.2374, 0.3538 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(46, 198, 182) }
```

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

```
.border{ border-color:rgb(46, 198, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 198, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 198, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 198, 182);  
box-shadow:4px 4px 4px 4px rgb(46, 198,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3464, 0.2374, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 198, 182) }
```

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

```
.background{ background-color: rgb(46, 198,  
182) }
```

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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