

Converting Colors

$Yxy(61.3876, 0.2354, 0.3368)$

Have a look what the booklet for
Yxy(61.3876, 0.2354, 0.3368)
contains.

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Color

Yxy(61.3876, 0.2354, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	44E3DD
RGB	68, 227, 221
RGB Percent	27%, 89%, 87%
CMY	0.7329, 0.1098, 0.1334
CMYK	0.70, 0.00, 0.03, 0.11
HSL	178°, 74%, 58%
HSV	178°, 70%, 89%
XYZ	42.9057, 61.3876, 77.9739
YIQ	178.7750, -92.8380, -35.5740

Conversions

Conversions Part 2

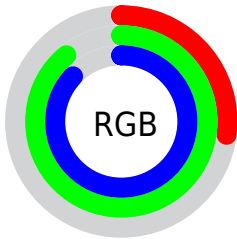
Format	Color
RYB	68, 149, 227
Decimal	4514781
CIELab	82.59, -41.39, -8.96
CIELCh	83, 42.345, 192.212
Yxy	61.3876, 0.2354, 0.3368
Android (android.graphics.Color)	4282704861 (0xFF44E3DD)
YUV	178.7750, 20.8169, -97.1497
Hunter-Lab	78.3502, -39.3638, -4.1601

Details

The Yxy color **61.3876, 0.2354, 0.3368** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.9734, 0.5411, 0.3243**, and the grayscale version is **44.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **31.8790, 0.2271, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **60.6786, 0.2312, 0.3381**, and if you desaturate by 10%, it is **62.4174, 0.2415, 0.3356**.

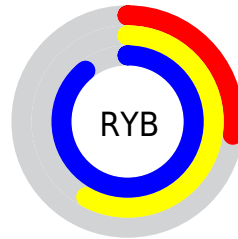
Distribution



Red (27%)

Green (89%)

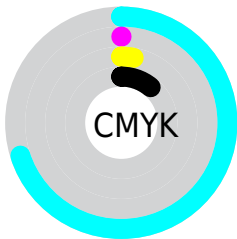
Blue (87%)



Red (27%)

Yellow (58%)

Blue (89%)

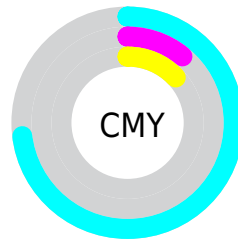


Cyan (70%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (73%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3876, 0.2354, 0.3368 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 61.3876, 0.2354, 0.3368 by changing the saturation by 10% instead.


 61.3876, 0.2354,
0.3368


 61.3876, 0.2354,
0.3368


429.6937, 0.2714,
0.3340

 44.5380, 0.2272,
0.3372


 106.8400, 0.2479,
0.3360


 31.0937, 0.2170,
0.3376


 136.2115, 0.2528,
0.3357

 20.6702, 0.2042,
0.3378


 170.5259, 0.2570,
0.3353

 12.8832, 0.1877,
0.3378

 210.1675, 0.2606,
0.3350

 7.3481, 0.1654,
0.3370

255.5207, 0.2638,
0.3347

 3.6808, 0.1346,
0.3341

306.9699, 0.2666,

 1.4966, 0.0698,

0.3345

364.8994, 0.2691,
0.3342

0.3326

0.2864, 0.0000,
0.2339

0.0000, 0.0000,
0.0000

61.3876, 0.2354,
0.3368

61.3876, 0.2354,
0.3368

60.6786, 0.2312,
0.3381

62.4174, 0.2415,
0.3356

60.2447, 0.2289,
0.3393


63.7936, 0.2496,
0.3343


60.0208, 0.2279,
0.3405

65.5471, 0.2594,
0.3331


67.7036, 0.2710,
0.3320

 70.2863, 0.2839,
0.3309

 73.3168, 0.2979,
0.3299

 76.8154, 0.3127,
0.3290

 80.8008, 0.3281,
0.3282

 81.8401, 0.3312,
0.3273

Harmonies

Analogous

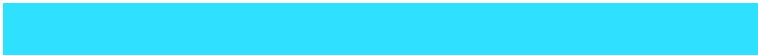
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.3876, 0.2749, 0.3901



61.3876, 0.2354, 0.3368



61.3876, 0.2165, 0.2868

Triad

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



61.3876, 0.2354, 0.3368



61.3876, 0.2912, 0.2523



61.3876, 0.4122, 0.3963

Complementary

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



61.3876, 0.2354, 0.3368



20.9734, 0.5411, 0.3243

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.



61.3876, 0.4195, 0.3565



61.3876, 0.2354, 0.3368



61.3876, 0.3461, 0.2774

Square

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



61.3876, 0.2354, 0.3368



61.3876, 0.2465, 0.2436



61.3876, 0.3948, 0.3143



61.3876, 0.3773, 0.4232

Rectangle

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



61.3876, 0.2354, 0.3368



61.3876, 0.2167, 0.2629



61.3876, 0.3948, 0.3143



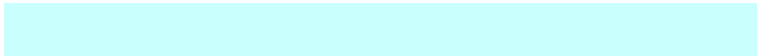
61.3876, 0.4181, 0.3839

Sweetspot

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



61.3899, 0.2354, 0.3368



91.0898, 0.2823, 0.3310



56.8953, 0.3052, 0.5513



19.2886, 0.2787, 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.



61.3899, 0.2354, 0.3368



78.6950, 0.2299, 0.3386



30.3864, 0.2071, 0.2242



16.3265, 0.2987, 0.3299



35.0083, 0.2279, 0.3403



2.5900, 0.2274, 0.3385

Inverse Universe

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



20.9734, 0.5411, 0.3243



23.0532, 0.6019, 0.3259



35.3905, 0.4803, 0.4043



14.3768, 0.3287, 0.3282



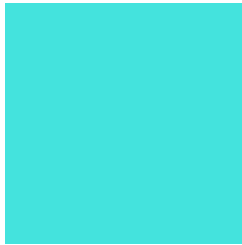
9.5391, 0.6359, 0.3277



0.7080, 0.6244, 0.3213

Previews

White Background



This preview shows how the Yxy color 61.3876, 0.2354, 0.3368 looks on a white background.

Color Contrast Check

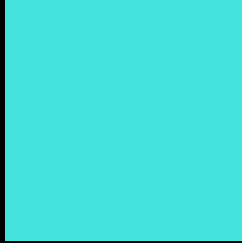
Large Text (above 18pt) WCAG AA × Fail

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 61.3876, 0.2354, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

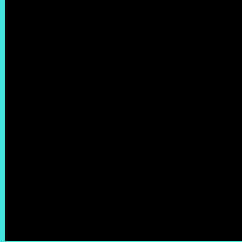
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

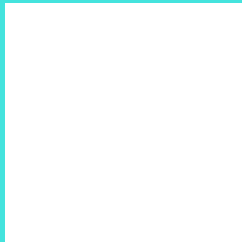
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.3876, 0.2354, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 61.3876, 0.2354, 0.3368.

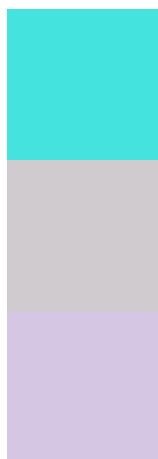


This preview shows how white text looks on a background with the Yxy color 61.3876, 0.2354, 0.3368.

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

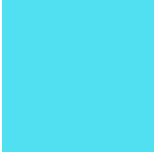
61.3876, 0.2354, 0.3368

Protanopia

60.4335, 0.3136, 0.3255

Deuteranopia

60.0804, 0.3035, 0.2965



Tritanopia

61.4276, 0.2290, 0.3058

Trichromacy



Original Color

61.3876, 0.2354, 0.3368



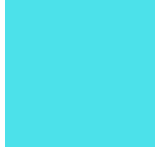
Protanomaly

58.8580, 0.2749, 0.3302



Deuteranomaly

58.5108, 0.2689, 0.3092



Tritanomaly

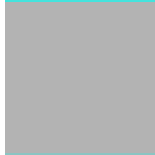
61.3274, 0.2314, 0.3171

Monochromacy



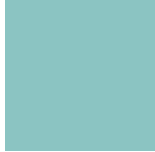
Original Color

61.3876, 0.2354, 0.3368



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.8639, 0.2723, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3876, 0.2354, 0.3368 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(68, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(68, 227, 221)  
}
```

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(68, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 227, 221) }
```

Border

The CSS property to change the border of an element to Yxy 61.3876, 0.2354, 0.3368 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(68, 227, 221) }
```

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

```
.border{ border-color:rgb(68, 227, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 227, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(68, 227,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3876, 0.2354, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 227, 221) }
```

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

```
.background{ background-color: rgb(68, 227,  
221) }
```

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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