

Converting Colors

$Yxy(60.2843, 0.2391, 0.3585)$

Have a look what the booklet for
Yxy(60.2843, 0.2391, 0.3585)
contains.

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Color

Yxy(60.2066, 0.2388, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	37E3CE
RGB	55, 227, 206
RGB Percent	22%, 89%, 81%
CMY	0.7843, 0.1098, 0.1922
CMYK	0.76, 0.00, 0.09, 0.11
HSL	173°, 75%, 55%
HSV	173°, 76%, 89%
XYZ	40.1826, 60.2066, 67.8797
YIQ	173.1780, -95.7710, -42.9950

Conversions

Conversions Part 2

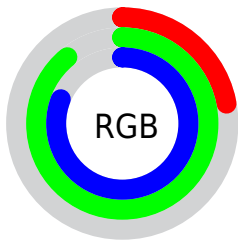
Format	Color
RYB	55, 147, 227
Decimal	3662798
CIELab	81.95, -46.94, -1.97
CIELCh	82, 46.978, 182.407
Yxy	60.2066, 0.2388, 0.3578
Android (android.graphics.Color)	4281852878 (0xFF37E3CE)
YUV	173.1780, 16.1812, -103.6421
Hunter-Lab	77.5929, -43.3488, 2.4471

Details

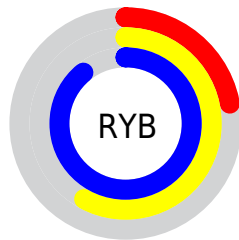
The Yxy color **60.2066, 0.2388, 0.3578** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.5872, 0.5474, 0.3121**, and the grayscale version is **41.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **31.3928, 0.2344, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **59.5748, 0.2363, 0.3621**, and if you desaturate by 10%, it is **61.1399, 0.2432, 0.3535**.

Distribution



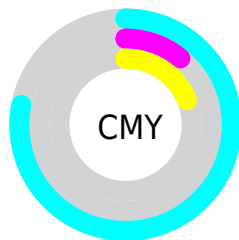
- Red (22%)
- Green (89%)
- Blue (81%)



- Red (22%)
- Yellow (58%)
- Blue (89%)



- Cyan (76%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)




- Cyan (78%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2066, 0.2388, 0.3578 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 60.2066, 0.2388, 0.3578 by changing the saturation by 10% instead.

 60.2066, 0.2388,
0.3578


 60.2066, 0.2388,
0.3578


425.3589, 0.2737,
0.3444


 43.5852, 0.2307,
0.3609


 105.1293, 0.2510,
0.3532


 30.3445, 0.2207,
0.3646


 134.1994, 0.2557,
0.3513

 20.1002, 0.2079,
0.3693

 168.1878, 0.2598,
0.3498

 12.4679, 0.1911,
0.3754

 207.4790, 0.2633,
0.3484

 7.0632, 0.1683,
0.3835

252.4573, 0.2664,
0.3472

 3.5017, 0.1359,
0.3945

303.5071, 0.2691,

 1.3989, 0.0346,

0.3462

0.4333

361.0128, 0.2715,
0.3453

■ 0.2159, 0.0000,
0.3666

■ 0.0000, 0.0000,
0.0000

■ 60.2066, 0.2388,
0.3578

■ 60.2066, 0.2388,
0.3578

■ 59.5748, 0.2363,
0.3621

■ 61.1399, 0.2432,
0.3535


■ 59.1934, 0.2356,
0.3663


■ 62.4037, 0.2496,
0.3493


■ 59.0766, 0.2356,
0.3681


■ 64.0309, 0.2578,
0.3451

■ 66.0488, 0.2677,
0.3412

 68.4819, 0.2790,
0.3374

 71.3528, 0.2915,
0.3339

 74.6825, 0.3048,
0.3307

 78.4906, 0.3186,
0.3278

 81.9684, 0.3297,
0.3251

Harmonies

Analogous

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



60.2066, 0.2881, 0.4139



60.2066, 0.2388, 0.3578



60.2066, 0.2105, 0.2977

Triad

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



60.2066, 0.2388, 0.3578



60.2066, 0.2705, 0.2392



60.2066, 0.4299, 0.3890

Complementary

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



60.2066, 0.2388, 0.3578



19.5872, 0.5474, 0.3121

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.



60.2066, 0.4268, 0.3430



60.2066, 0.2388, 0.3578



60.2066, 0.3294, 0.2613

Square

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



60.2066, 0.2388, 0.3578



60.2066, 0.2275, 0.2361



60.2066, 0.3887, 0.2981



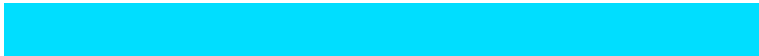
60.2066, 0.3993, 0.4261

Rectangle

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



60.2066, 0.2388, 0.3578



60.2066, 0.2053, 0.2667



60.2066, 0.3887, 0.2981



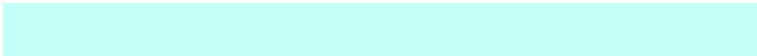
60.2066, 0.4330, 0.3741

Sweetspot

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



60.2089, 0.2388, 0.3578



90.0695, 0.2822, 0.3365



56.8345, 0.3097, 0.5623



19.0067, 0.2778, 0.3378



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.



60.2089, 0.2388, 0.3578



77.2271, 0.2357, 0.3646



32.8881, 0.2064, 0.2364



16.3045, 0.2998, 0.3319



34.4634, 0.2354, 0.3675



2.5553, 0.2337, 0.3613

Inverse Universe

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



19.5872, 0.5474, 0.3121



22.1127, 0.6067, 0.3183



29.5819, 0.5132, 0.3907



14.3965, 0.3273, 0.3262



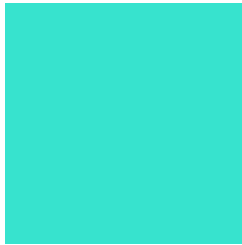
9.5815, 0.6244, 0.3213



0.7175, 0.5928, 0.3039

Previews

White Background



This preview shows how the Yxy color 60.2066, 0.2388, 0.3578 looks on a white background.

Color Contrast Check

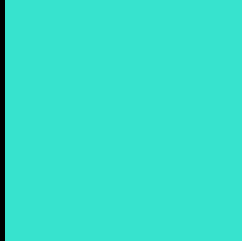
Large Text (above 18pt) WCAG AA × Fail

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 60.2066, 0.2388, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

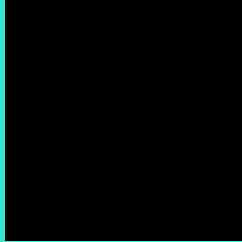
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

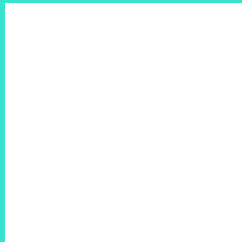
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.2066, 0.2388, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 60.2066, 0.2388, 0.3578.

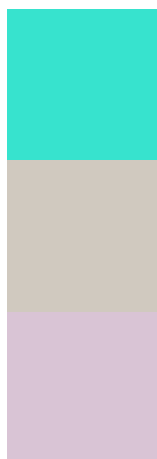


This preview shows how white text looks on a background with the Yxy color 60.2066, 0.2388, 0.3578.

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

60.2066, 0.2388, 0.3578

Protanopia

58.9448, 0.3255, 0.3408

Deuteranopia

59.0357, 0.3168, 0.3098



Tritanopia

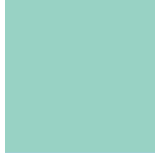
60.1116, 0.2283, 0.3056

Trichromacy



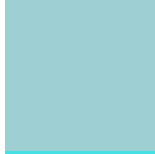
Original Color

60.2066, 0.2388, 0.3578



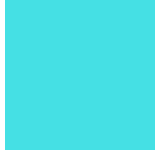
Protanomaly

56.7541, 0.2811, 0.3472



Deuteranomaly

56.5479, 0.2762, 0.3251



Tritanomaly

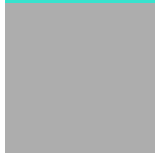
60.1780, 0.2318, 0.3235

Monochromacy



Original Color

60.2066, 0.2388, 0.3578



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.3885, 0.2717, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2066, 0.2388, 0.3578 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(55, 227, 206)` looks like.

```
.text, #text, p{  
    color:rgb(55, 227, 206)  
}
```

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(55, 227, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 227, 206) }
```

Border

The CSS property to change the border of an element to Yxy 60.2066, 0.2388, 0.3578 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(55, 227, 206) }
```

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

```
.border{ border-color:rgb(55, 227, 206) }
```

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

Here you see how a box with a 4 pixel rgb(55, 227, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 227, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 227, 206);  
box-shadow:4px 4px 4px 4px rgb(55, 227,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2066, 0.2388, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 227, 206) }
```

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

```
.background{ background-color: rgb(55, 227,  
206) }
```

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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