

Converting Colors

$Y_{xy}(60.8503, 0.2305, 0.3402)$

Have a look what the booklet for
Yxy(60.8503, 0.2305, 0.3402)
contains.

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Color

Yxy(60.9763, 0.2307, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	24E4DB
RGB	36, 228, 219
RGB Percent	14%, 89%, 86%
CMY	0.8579, 0.1059, 0.1411
CMYK	0.84, 0.00, 0.04, 0.11
HSL	177°, 78%, 52%
HSV	177°, 84%, 89%
XYZ	41.2650, 60.9763, 76.6273
YIQ	169.5660, -111.5430, -43.5030

Conversions

Conversions Part 2

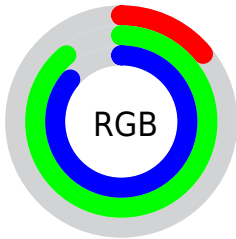
Format	Color
R _Y B	36, 134, 228
Decimal	2417883
CIE Lab	82.37, -45.39, -8.30
CIE LCh	82, 46.141, 190.365
Yxy	60.9763, 0.2307, 0.3409
Android (android.graphics.Color)	4280607963 (0xFF24E4DB)
YUV	169.5660, 24.3710, -117.1374
Hunter-Lab	78.0873, -42.3251, -3.5203




Details

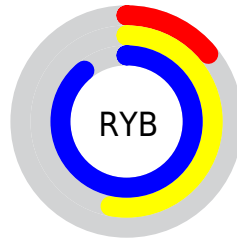
The Yxy color **60.9763, 0.2307, 0.3409** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.9601, 0.5988, 0.3248**, and the grayscale version is **39.9255, 0.3127, 0.3290**.




A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **32.1854, 0.2286, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **60.6322, 0.2291, 0.3424**, and if you desaturate by 10%, it is **61.5865, 0.2341, 0.3393**.

Distribution







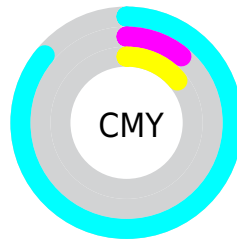
-  Red (14%)
-  Green (89%)
-  Blue (86%)






-  Red (14%)
-  Yellow (53%)
-  Blue (89%)



-  Cyan (84%)
-  Magenta (0%)
-  Yellow (4%)
-  Black (11%)




-  Cyan (86%)
-  Magenta (11%)
-  Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9763, 0.2307, 0.3409 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 60.9763, 0.2307, 0.3409 by changing the saturation by 10% instead.


 60.9763, 0.2307,
0.3409


 60.9763, 0.2307,
0.3409

428.1871, 0.2689,
0.3362

 44.2060, 0.2220,
0.3417


 106.2446, 0.2440,
0.3395


 30.8325, 0.2112,
0.3426

 135.5115, 0.2491,
0.3388


 20.4714, 0.1977,
0.3435


 169.7126, 0.2536,
0.3383

 12.7381, 0.1802,
0.3443

 209.2325, 0.2574,
0.3378

 7.2485, 0.1568,
0.3445

 254.4555, 0.2608,
0.3373

 3.6180, 0.1245,
0.3430

305.7660, 0.2638,

 1.4622, 0.0460,

0.3369

363.5484, 0.2665,
0.3366

0.3478

0.2619, 0.0000,
0.2323

0.0000, 0.0000,
0.0000

60.9763, 0.2307,
0.3409

60.9763, 0.2307,
0.3409

60.6322, 0.2291,
0.3424


61.5865, 0.2341,
0.3393


60.5104, 0.2287,
0.3433


62.4988, 0.2393,
0.3378

63.7506, 0.2465,
0.3362


65.3723, 0.2556,
0.3347

 67.3908, 0.2664,
0.3333

 69.8308, 0.2787,
0.3319

 72.7146, 0.2922,
0.3306

 76.0632, 0.3066,
0.3295

 79.8962, 0.3216,
0.3284

Harmonies

Analogous

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



60.9763, 0.2744, 0.3994



60.9763, 0.2307, 0.3409



60.9763, 0.2092, 0.2853

Triad

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



60.9763, 0.2307, 0.3409



60.9763, 0.2856, 0.2450



60.9763, 0.4223, 0.3990

Complementary

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



60.9763, 0.2307, 0.3409



17.9601, 0.5988, 0.3248

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.



60.9763, 0.4287, 0.3551



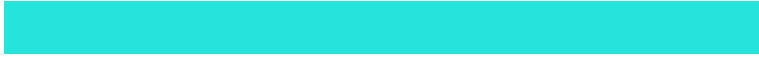
60.9763, 0.2307, 0.3409



60.9763, 0.3452, 0.2711

Square

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



60.9763, 0.2307, 0.3409



60.9763, 0.2384, 0.2367



60.9763, 0.3997, 0.3100



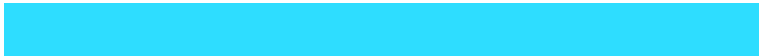
60.9763, 0.3855, 0.4304

Rectangle

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



60.9763, 0.2307, 0.3409



60.9763, 0.2084, 0.2588



60.9763, 0.3997, 0.3100



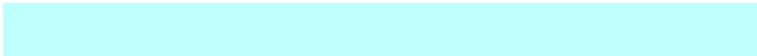
60.9763, 0.4283, 0.3851

Sweetspot

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



60.9786, 0.2307, 0.3409



89.6582, 0.2773, 0.3321



56.1892, 0.3028, 0.5831



18.9434, 0.2729, 0.3325



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.



60.9786, 0.2307, 0.3409



77.9953, 0.2287, 0.3434



25.2380, 0.1925, 0.1994



16.3241, 0.2988, 0.3301



34.9481, 0.2286, 0.3431



2.5862, 0.2280, 0.3408

Inverse Universe

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



17.9601, 0.5988, 0.3248



21.2864, 0.6368, 0.3281



30.6706, 0.5207, 0.4060



14.3789, 0.3285, 0.3279



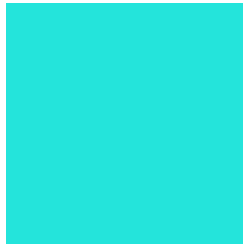
9.5425, 0.6350, 0.3271



0.7090, 0.6208, 0.3194

Previews

White Background



This preview shows how the Yxy color 60.9763, 0.2307, 0.3409 looks on a white background.

Color Contrast Check

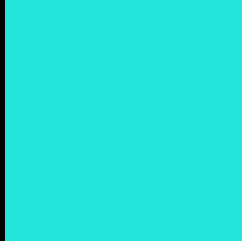
Large Text (above 18pt) WCAG AA × Fail

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 60.9763, 0.2307, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

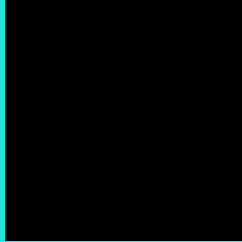
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9763, 0.2307, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 60.9763, 0.2307, 0.3409.

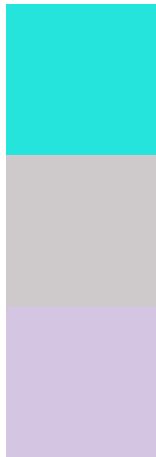


This preview shows how white text looks on a background with the Yxy color 60.9763, 0.2307, 0.3409.

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

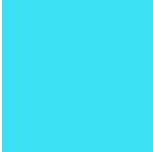
60.9763, 0.2307, 0.3409

Protanopia

59.7225, 0.3144, 0.3267

Deuteranopia

59.8762, 0.3035, 0.2975



Tritanopia

60.7122, 0.2237, 0.3043

Trichromacy



Original Color

60.9763, 0.2307, 0.3409



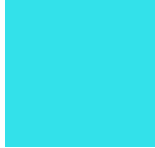
Protanomaly

57.1213, 0.2687, 0.3315



Deuteranomaly

57.2245, 0.2629, 0.3112



Tritanomaly

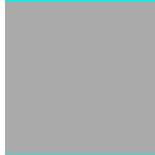
60.4947, 0.2260, 0.3169

Monochromacy



Original Color

60.9763, 0.2307, 0.3409



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.9574, 0.2638, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9763, 0.2307, 0.3409 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(36, 228, 219)` looks like.

```
.text, #text, p{  
    color:rgb(36, 228, 219)  
}
```

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(36, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 228, 219) }
```

Border

The CSS property to change the border of an element to Yxy 60.9763, 0.2307, 0.3409 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(36, 228, 219) }
```

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

```
.border{ border-color:rgb(36, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(36, 228,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9763, 0.2307, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 228, 219) }
```

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

```
.background{ background-color: rgb(36, 228,  
219) }
```

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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