

Converting Colors

$Yxy(62.4429, 0.2393, 0.3496)$

Have a look what the booklet for
Yxy(62.4429, 0.2393, 0.3496)
contains.

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Color

Yxy(62.7139, 0.2395, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	45E6D6
RGB	69, 230, 214
RGB Percent	27%, 90%, 84%
CMY	0.7295, 0.0980, 0.1607
CMYK	0.70, 0.00, 0.07, 0.10
HSL	174°, 76%, 59%
HSV	174°, 70%, 90%
XYZ	42.8897, 62.7139, 73.4766
YIQ	180.0370, -90.8200, -39.1080

Conversions

Conversions Part 2

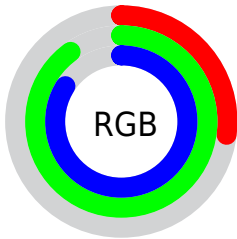
Format	Color
RYB	69, 154, 230
Decimal	4581078
CIELab	83.29, -44.47, -4.23
CIELCh	83, 44.674, 185.437
Yxy	62.7139, 0.2395, 0.3502
Android (android.graphics.Color)	4282771158 (0xFF45E6D6)
YUV	180.0370, 16.7438, -97.3794
Hunter-Lab	79.1921, -41.9122, 0.4236

Details

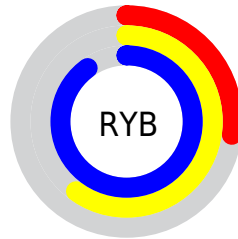
The Yxy color **62.7139, 0.2395, 0.3502** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.7337, 0.5275, 0.3150**, and the grayscale version is **45.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **32.7753, 0.2321, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **61.9162, 0.2357, 0.3536**, and if you desaturate by 10%, it is **63.8437, 0.2452, 0.3468**.

Distribution



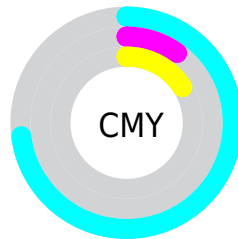
- Red (27%)
- Green (90%)
- Blue (84%)



- Red (27%)
- Yellow (60%)
- Blue (90%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (73%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7139, 0.2395, 0.3502 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 62.7139, 0.2395, 0.3502 by changing the saturation by 10% instead.


 62.7139, 0.2395,
0.3502

 62.7139, 0.2395,
0.3502


434.5304, 0.2737,
0.3407


 45.6098, 0.2317,
0.3523


 108.7567, 0.2514,
0.3470


 31.9380, 0.2219,
0.3548


 138.4641, 0.2560,
0.3457

 21.3142, 0.2097,
0.3578


 173.1414, 0.2600,
0.3446

 13.3538, 0.1937,
0.3616

 213.1731, 0.2635,
0.3436

 7.6726, 0.1721,
0.3664

258.9434, 0.2665,
0.3428

 3.8862, 0.1418,
0.3722

310.8368, 0.2692,

 1.6101, 0.0753,

0.3420

0.3875

369.2377, 0.2716,
0.3413

■ 0.3644, 0.0000,
0.3447

■ 0.0000, 0.0000,
0.0000

■ 62.7139, 0.2395,
0.3502

■ 62.7139, 0.2395,
0.3502

■ 61.9162, 0.2357,
0.3536

■ 63.8437, 0.2452,
0.3468


■ 61.4035, 0.2339,
0.3571

■ 65.3322, 0.2528,
0.3434


■ 61.1089, 0.2335,
0.3604


■ 67.2113, 0.2622,
0.3402

■ 69.5073, 0.2732,
0.3371

 72.2445, 0.2854,
0.3342

 75.4452, 0.2987,
0.3315

 79.1301, 0.3127,
0.3290

 83.3187, 0.3271,
0.3268

 83.8285, 0.3270,
0.3245

Harmonies

Analogous

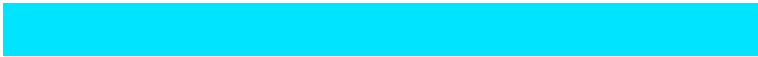
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7139, 0.2846, 0.4038



62.7139, 0.2395, 0.3502



62.7139, 0.2148, 0.2950

Triad

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



62.7139, 0.2395, 0.3502



62.7139, 0.2782, 0.2454



62.7139, 0.4213, 0.3902

Complementary

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



62.7139, 0.2395, 0.3502



21.7337, 0.5275, 0.3150

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.



62.7139, 0.4216, 0.3472



62.7139, 0.2395, 0.3502



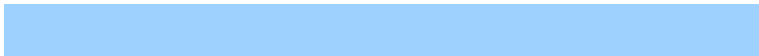
62.7139, 0.3344, 0.2680

Square

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



62.7139, 0.2395, 0.3502



62.7139, 0.2356, 0.2406



62.7139, 0.3888, 0.3041



62.7139, 0.3902, 0.4230

Rectangle

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



62.7139, 0.2395, 0.3502



62.7139, 0.2114, 0.2671



62.7139, 0.3888, 0.3041



62.7139, 0.4252, 0.3764

Sweetspot

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



62.7163, 0.2395, 0.3502



90.8824, 0.2840, 0.3345



58.9604, 0.3086, 0.5492



19.2385, 0.2805, 0.3353



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.



62.7163, 0.2395, 0.3502



77.9129, 0.2347, 0.3552



34.1044, 0.2100, 0.2364



16.3104, 0.2995, 0.3313



34.6057, 0.2333, 0.3599



2.5644, 0.2319, 0.3549

Inverse Universe

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



21.7337, 0.5275, 0.3150



23.1805, 0.5888, 0.3182



34.1363, 0.4885, 0.3956



14.3911, 0.3277, 0.3267



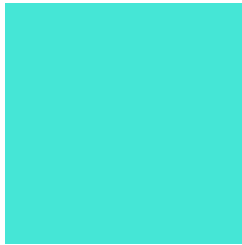
9.5670, 0.6283, 0.3235



0.7149, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 62.7139, 0.2395, 0.3502 looks on a white background.

Color Contrast Check

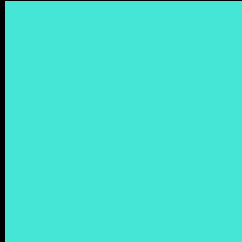
Large Text (above 18pt) WCAG AA × Fail

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 62.7139, 0.2395, 0.3502 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

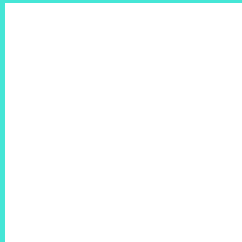
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.7139, 0.2395, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 62.7139, 0.2395, 0.3502.

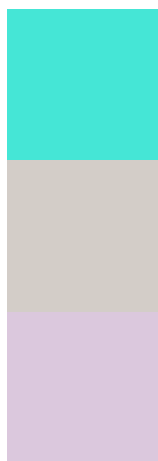


This preview shows how white text looks on a background with the Yxy color 62.7139, 0.2395, 0.3502.

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

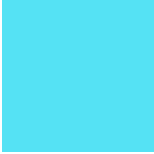
62.7139, 0.2395, 0.3502

Protanopia

61.6817, 0.3209, 0.3348

Deuteranopia

61.5891, 0.3123, 0.3057



Tritanopia

62.8557, 0.2302, 0.3061

Trichromacy



Original Color

62.7139, 0.2395, 0.3502



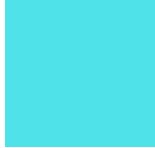
Protanomaly

59.8718, 0.2806, 0.3403



Deuteranomaly

59.5430, 0.2757, 0.3203



Tritanomaly

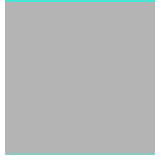
62.4836, 0.2333, 0.3210

Monochromacy



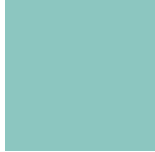
Original Color

62.7139, 0.2395, 0.3502



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.7694, 0.2745, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7139, 0.2395, 0.3502 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(69, 230, 214)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 214)  
}
```

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(69, 230, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 214) }
```

Border

The CSS property to change the border of an element to Yxy 62.7139, 0.2395, 0.3502 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(69, 230, 214) }
```

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

```
.border{ border-color:rgb(69, 230, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 230, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 214);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7139, 0.2395, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 214) }
```

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

```
.background{ background-color: rgb(69, 230,  
214) }
```

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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