

Converting Colors

$Yxy(61.3395, 0.2451, 0.3463)$

Have a look what the booklet for
Yxy(61.3395, 0.2451, 0.3463)
contains.

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Color

Yxy(61.3705, 0.2449, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	5AE2D5
RGB	90, 226, 213
RGB Percent	35%, 89%, 84%
CMY	0.6470, 0.1137, 0.1646
CMYK	0.60, 0.00, 0.06, 0.11
HSL	174°, 70%, 62%
HSV	174°, 60%, 89%
XYZ	43.4257, 61.3705, 72.5239
YIQ	183.8540, -76.8830, -32.8750

Conversions

Conversions Part 2

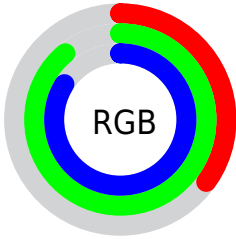
Format	Color
RYB	90, 161, 226
Decimal	5956309
CIELab	82.58, -39.80, -4.70
CIELCh	83, 40.081, 186.738
Yxy	61.3705, 0.2449, 0.3461
Android (android.graphics.Color)	4284146389 (0xFF5AE2D5)
YUV	183.8540, 14.3690, -82.3100
Hunter-Lab	78.3393, -38.1462, -0.0512

Details

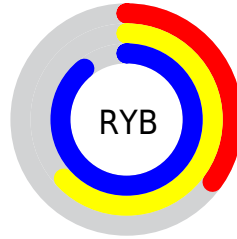
The Yxy color **61.3705, 0.2449, 0.3461** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.4616, 0.4834, 0.3156**, and the grayscale version is **47.8021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **31.2181, 0.2307, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **60.2978, 0.2392, 0.3494**, and if you desaturate by 10%, it is **62.7938, 0.2525, 0.3429**.

Distribution



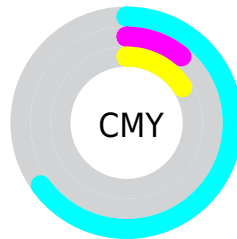
- Red (35%)
- Green (89%)
- Blue (84%)



- Red (35%)
- Yellow (63%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)





- Cyan (65%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.3705, 0.2449, 0.3461 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 61.3705, 0.2449, 0.3461 by changing the saturation by 10% instead.


 61.3705, 0.2449,
0.3461


 61.3705, 0.2449,
0.3461


429.6312, 0.2767,
0.3385

 44.5242, 0.2376,
0.3477

 106.8152, 0.2560,
0.3435

 31.0829, 0.2284,
0.3497


 136.1824, 0.2603,
0.3425

 20.6620, 0.2169,
0.3521


 170.4921, 0.2640,
0.3416

 12.8771, 0.2017,
0.3551

 210.1287, 0.2672,
0.3408

 7.3440, 0.1811,
0.3587

255.4765, 0.2700,
0.3401

 3.6781, 0.1518,
0.3630

306.9199, 0.2725,

 1.4952, 0.0882,

0.3395

0.3750

364.8433, 0.2748,
0.3390

0.2853, 0.0000,
0.3085

0.0000, 0.0000,
0.0000

61.3705, 0.2449,
0.3461

61.3705, 0.2449,
0.3461

60.2978, 0.2392,
0.3494

62.7938, 0.2525,
0.3429

59.5362, 0.2354,
0.3527


64.5890, 0.2619,
0.3398


59.0497, 0.2335,
0.3559


66.7837, 0.2729,
0.3368


58.7741, 0.2331,
0.3591

69.4011, 0.2852,
0.3340

 72.4625, 0.2985,
0.3314

 75.9880, 0.3125,
0.3290

 79.9962, 0.3269,
0.3269

 81.3821, 0.3303,
0.3248

 81.5042, 0.3289,
0.3227

Harmonies

Analogous

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



61.3705, 0.2855, 0.3943



61.3705, 0.2449, 0.3461



61.3705, 0.2229, 0.2969

Triad

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



61.3705, 0.2449, 0.3461



61.3705, 0.2836, 0.2531



61.3705, 0.4105, 0.3870

Complementary

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



61.3705, 0.2449, 0.3461



24.4616, 0.4834, 0.3156

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.



61.3705, 0.4117, 0.3481



61.3705, 0.2449, 0.3461



61.3705, 0.3349, 0.2746

Square

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



61.3705, 0.2449, 0.3461



61.3705, 0.2438, 0.2482



61.3705, 0.3833, 0.3082



61.3705, 0.3817, 0.4152

Rectangle

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



61.3705, 0.2449, 0.3461



61.3705, 0.2203, 0.2718



61.3705, 0.3833, 0.3082



61.3705, 0.4143, 0.3747

Sweetspot

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



61.3729, 0.2449, 0.3461



92.0310, 0.2878, 0.3334



58.0513, 0.3104, 0.5192



19.4625, 0.2840, 0.3342



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.



61.3729, 0.2449, 0.3461



79.0174, 0.2382, 0.3501



37.0197, 0.2219, 0.2518



15.5486, 0.2995, 0.3312



33.5399, 0.2330, 0.3586



2.3315, 0.2316, 0.3536

Inverse Universe

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



24.4616, 0.4834, 0.3156



26.5374, 0.5394, 0.3158



36.9769, 0.4564, 0.3902



13.7217, 0.3277, 0.3268



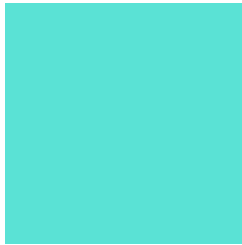
9.2641, 0.6287, 0.3237



0.6495, 0.6008, 0.3083

Previews

White Background



This preview shows how the Yxy color 61.3705, 0.2449, 0.3461 looks on a white background.

Color Contrast Check

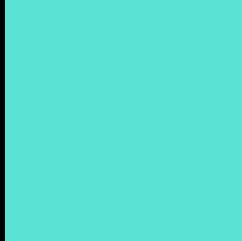
Large Text (above 18pt) WCAG AA × Fail

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 61.3705, 0.2449, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

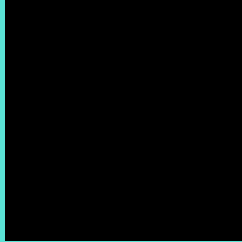
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

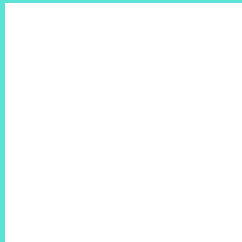
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.3705, 0.2449, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 61.3705, 0.2449, 0.3461.

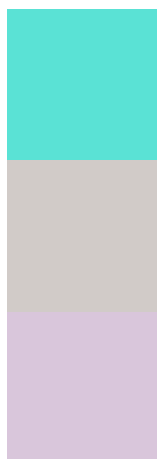


This preview shows how white text looks on a background with the Yxy color 61.3705, 0.2449, 0.3461.

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

61.3705, 0.2449, 0.3461

Protanopia

60.4373, 0.3195, 0.3325

Deuteranopia

60.2544, 0.3123, 0.3055



Tritanopia

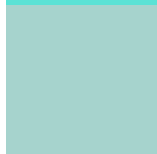
61.3005, 0.2357, 0.3060

Trichromacy



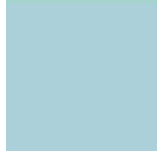
Original Color

61.3705, 0.2449, 0.3461



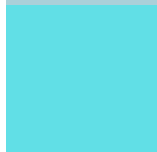
Protanomaly

59.1033, 0.2848, 0.3364



Deuteranomaly

58.7794, 0.2805, 0.3179



Tritanomaly

61.0299, 0.2389, 0.3197

Monochromacy



Original Color

61.3705, 0.2449, 0.3461



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.2710, 0.2794, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3705, 0.2449, 0.3461 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(90, 226, 213)` looks like.

```
.text, #text, p{  
    color:rgb(90, 226, 213)  
}
```

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(90, 226, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 226, 213) }
```

Border

The CSS property to change the border of an element to Yxy 61.3705, 0.2449, 0.3461 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(90, 226, 213) }
```

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

```
.border{ border-color:rgb(90, 226, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 226, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 226, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 226, 213);  
box-shadow:4px 4px 4px 4px rgb(90, 226,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3705, 0.2449, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 226, 213) }
```

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

```
.background{ background-color: rgb(90, 226,  
213) }
```

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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