

Converting Colors

$Yxy(62.0777, 0.2469, 0.3539)$

Have a look what the booklet for
Yxy(62.0777, 0.2469, 0.3539)
contains.

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Color

Yxy(62.2141, 0.2469, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	59E4D1
RGB	89, 228, 209
RGB Percent	35%, 89%, 82%
CMY	0.6514, 0.1058, 0.1803
CMYK	0.61, 0.00, 0.08, 0.11
HSL	172°, 72%, 62%
HSV	172°, 61%, 89%
XYZ	43.3672, 62.2141, 70.0655
YIQ	184.2730, -76.7450, -35.3770

Conversions

Conversions Part 2

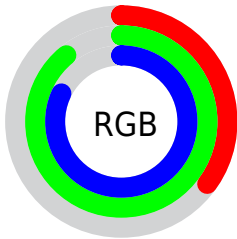
Format	Color
R _Y B	89, 164, 228
Decimal	5891281
CIE Lab	83.03, -41.91, -1.93
CIE LCh	83, 41.959, 182.638
Yxy	62.2141, 0.2469, 0.3542
Android (android.graphics.Color)	4284081361 (0xFF59E4D1)
YUV	184.2730, 12.1904, -83.5544
Hunter-Lab	78.8759, -39.8908, 2.5458

Details

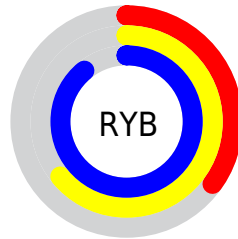
The Yxy color **62.2141, 0.2469, 0.3542** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.7031, 0.4791, 0.3093**, and the grayscale version is **48.0417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **31.8716, 0.2332, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **61.1068, 0.2416, 0.3590**, and if you desaturate by 10%, it is **63.6783, 0.2541, 0.3495**.

Distribution



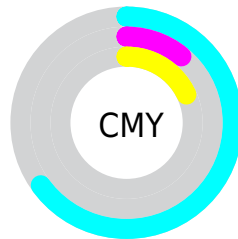
- Red (35%)
- Green (89%)
- Blue (82%)



- Red (35%)
- Yellow (64%)
- Blue (89%)



- Cyan (61%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (65%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2141, 0.2469, 0.3542 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 62.2141, 0.2469, 0.3542 by changing the saturation by 10% instead.


 62.2141, 0.2469,
0.3542


 62.2141, 0.2469,
0.3542


432.7116, 0.2779,
0.3425


 45.2057, 0.2397,
0.3569


 108.0349, 0.2577,
0.3502

 31.6195, 0.2308,
0.3601


 137.6161, 0.2619,
0.3486

 21.0710, 0.2195,
0.3642


 172.1571, 0.2655,
0.3472

 13.1759, 0.2047,
0.3696

 212.0421, 0.2686,
0.3460

 7.5498, 0.1844,
0.3767

257.6557, 0.2714,
0.3450

 3.8083, 0.1555,
0.3865

309.3823, 0.2738,

 1.5669, 0.0908,

0.3441

0.4096

367.6061, 0.2759,
0.3433

0.3351, 0.0000,
0.4013

0.0000, 0.0000,
0.0000

62.2141, 0.2469,
0.3542

62.2141, 0.2469,
0.3542

61.1068, 0.2416,
0.3590

63.6783, 0.2541,
0.3495

60.3156, 0.2384,
0.3638


65.5214, 0.2630,
0.3449

59.8029, 0.2369,
0.3687


67.7720, 0.2735,
0.3406


59.5197, 0.2369,
0.3729

70.4538, 0.2852,
0.3365

 73.5889, 0.2979,
0.3328

 77.1978, 0.3113,
0.3293

 81.2998, 0.3252,
0.3262

 82.6884, 0.3277,
0.3232

 82.8687, 0.3256,
0.3202

Harmonies

Analogous

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



62.2141, 0.2911, 0.4028



62.2141, 0.2469, 0.3542



62.2141, 0.2212, 0.3016

Triad

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



62.2141, 0.2469, 0.3542



62.2141, 0.2758, 0.2485



62.2141, 0.4165, 0.3838

Complementary

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



62.2141, 0.2469, 0.3542



24.7031, 0.4791, 0.3093

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.



62.2141, 0.4136, 0.3428



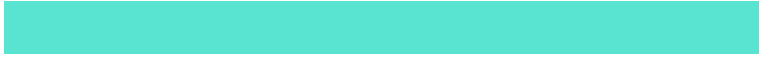
62.2141, 0.2469, 0.3542



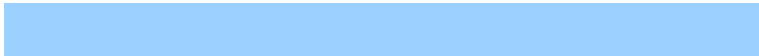
62.2141, 0.3282, 0.2686

Square

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



62.2141, 0.2469, 0.3542



62.2141, 0.2369, 0.2459



62.2141, 0.3802, 0.3020



62.2141, 0.3898, 0.4157

Rectangle

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



62.2141, 0.2469, 0.3542



62.2141, 0.2165, 0.2740



62.2141, 0.3802, 0.3020



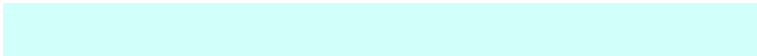
62.2141, 0.4191, 0.3706

Sweetspot

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



62.2165, 0.2469, 0.3542



91.9132, 0.2888, 0.3354



59.5120, 0.3140, 0.5199



19.4333, 0.2852, 0.3365



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.



62.2165, 0.2469, 0.3542



78.4709, 0.2407, 0.3602



40.0895, 0.2231, 0.2608



16.3008, 0.3000, 0.3322



34.3783, 0.2367, 0.3722



2.5498, 0.2348, 0.3652

Inverse Universe

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



24.7031, 0.4791, 0.3093



26.3103, 0.5338, 0.3094



35.2736, 0.4651, 0.3831



14.3998, 0.3271, 0.3258



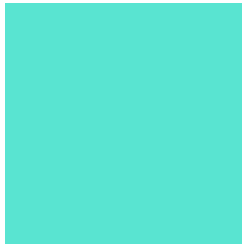
9.5916, 0.6217, 0.3199



0.7191, 0.5879, 0.3012

Previews

White Background



This preview shows how the Yxy color 62.2141, 0.2469, 0.3542 looks on a white background.

Color Contrast Check

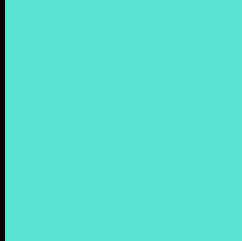
Large Text (above 18pt) WCAG AA × Fail

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 62.2141, 0.2469, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

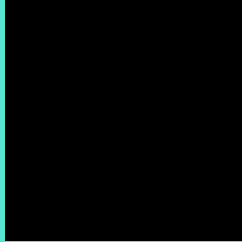
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

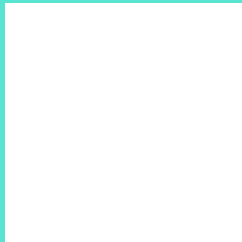
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.2141, 0.2469, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 62.2141, 0.2469, 0.3542.

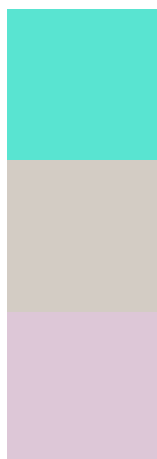


This preview shows how white text looks on a background with the Yxy color 62.2141, 0.2469, 0.3542.

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

62.2141, 0.2469, 0.3542

Protanopia

61.0201, 0.3239, 0.3383

Deuteranopia

61.1253, 0.3182, 0.3112



Tritanopia

61.9510, 0.2359, 0.3061

Trichromacy



Original Color

62.2141, 0.2469, 0.3542



Protanomaly

60.0210, 0.2881, 0.3440



Deuteranomaly

59.7815, 0.2845, 0.3252



Tritanomaly

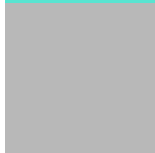
62.0490, 0.2399, 0.3236

Monochromacy



Original Color

62.2141, 0.2469, 0.3542



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.5484, 0.2801, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2141, 0.2469, 0.3542 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(89, 228, 209)` looks like.

```
.text, #text, p{  
    color:rgb(89, 228, 209)  
}
```

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(89, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 228, 209) }
```

Border

The CSS property to change the border of an element to Yxy 62.2141, 0.2469, 0.3542 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(89, 228, 209) }
```

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

```
.border{ border-color:rgb(89, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(89, 228,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2141, 0.2469, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 228, 209) }
```

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

```
.background{ background-color: rgb(89, 228,  
209) }
```

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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