

Converting Colors

$Y_{xy}(63.7961, 0.2551, 0.3598)$

Have a look what the booklet for
Yxy(63.7961, 0.2551, 0.3598)
contains.

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Color

Yxy(63.5590, 0.2549, 0.3592)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AE5CE |
| RGB | 106, 229, 206 |
| RGB Percent | 42%, 90%, 81% |
| CMY | 0.5843, 0.1019, 0.1921 |
| CMYK | 0.54, 0.00, 0.10, 0.10 |
| HSL | 169°, 70%, 66% |
| HSV | 169°, 54%, 90% |
| XYZ | 45.1035, 63.5590, 68.2835 |
| YIQ | 189.6010, -65.9250, -33.2290 |

Conversions

Conversions Part 2

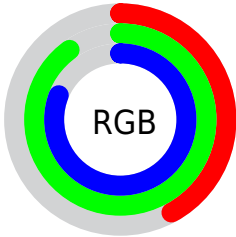
| Format | Color |
|-------------------------------------|--|
| RYB | 106, 174, 229 |
| Decimal | 7005646 |
| CIELab | 83.74, -39.90, 0.77 |
| CIELCh | 84, 39.906, 178.899 |
| Yxy | 63.5590, 0.2549, 0.3592 |
| Android (android.graphics.Color) | 4285195726 (0xFF6AE5CE) |
| YUV | 189.6010, 8.0847, -73.3181 |
| Hunter-Lab | 79.7239, -38.5310, 5.0249 |

Details

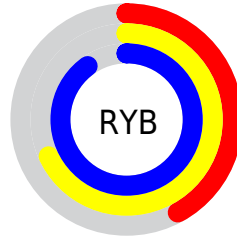
The Yxy color **63.5590, 0.2549, 0.3592** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **28.5523, 0.4404, 0.3035**, and the grayscale version is **51.2337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **32.5475, 0.2407, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **62.1355, 0.2486, 0.3659**, and if you desaturate by 10%, it is **65.3677, 0.2630, 0.3528**.

Distribution



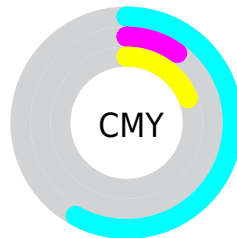
- Red (42%)
- Green (90%)
- Blue (81%)



- Red (42%)
- Yellow (68%)
- Blue (90%)



- Cyan (54%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)





- Cyan (58%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5590, 0.2549, 0.3592 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 63.5590, 0.2549, 0.3592 by changing the saturation by 10% instead.

 63.5590, 0.2549,
0.3592


 63.5590, 0.2549,
0.3592

437.5954, 0.2822,
0.3449


 46.2936, 0.2486,
0.3625


 109.9756, 0.2644,
0.3542

 32.4776, 0.2407,
0.3667


 139.8955, 0.2681,
0.3523

 21.7265, 0.2306,
0.3720


 174.8025, 0.2713,
0.3506

 13.6561, 0.2174,
0.3790

215.0807, 0.2740,
0.3492

 7.8819, 0.1992,
0.3888

261.1148, 0.2765,
0.3479

 4.0194, 0.1729,
0.4030

313.2890, 0.2786,

 1.6844, 0.1206,

0.3468

0.4309

371.9877, 0.2805,
0.3458

0.4136, 0.0000,
0.5104

0.0000, 0.0000,
0.0000

63.5590, 0.2549,
0.3592

63.5590, 0.2549,
0.3592

62.1355, 0.2486,
0.3659

65.3677, 0.2630,
0.3528

61.0591, 0.2443,
0.3727


67.5813, 0.2726,
0.3466

60.2969, 0.2419,
0.3795

70.2271, 0.2835,
0.3409


59.8060, 0.2414,
0.3863

73.3277, 0.2953,
0.3356

 59.5936, 0.2418,
0.3905

 76.9043, 0.3079,
0.3307

 80.9766, 0.3209,
0.3263

 83.3558, 0.3262,
0.3222

 83.6077, 0.3234,
0.3180

 83.8657, 0.3206,
0.3138

Harmonies

Analogous

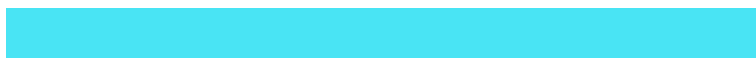
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5590, 0.2985, 0.4026



63.5590, 0.2549, 0.3592



63.5590, 0.2279, 0.3091

Triad

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



63.5590, 0.2549, 0.3592



63.5590, 0.2724, 0.2512



63.5590, 0.4121, 0.3768

Complementary

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



63.5590, 0.2549, 0.3592



28.5523, 0.4404, 0.3035

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.



63.5590, 0.4054, 0.3374



63.5590, 0.2549, 0.3592



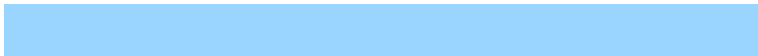
63.5590, 0.3210, 0.2685

Square

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



63.5590, 0.2549, 0.3592



63.5590, 0.2374, 0.2512



63.5590, 0.3710, 0.2991



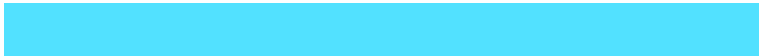
63.5590, 0.3902, 0.4084

Rectangle

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



63.5590, 0.2549, 0.3592



63.5590, 0.2215, 0.2815



63.5590, 0.3710, 0.2991



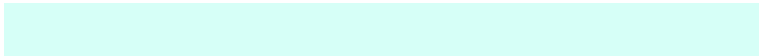
63.5590, 0.4133, 0.3640

Sweetspot

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



63.5615, 0.2549, 0.3592



92.5845, 0.2924, 0.3368



61.8751, 0.3187, 0.4939



19.6374, 0.2900, 0.3379



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.



63.5615, 0.2549, 0.3592



79.1929, 0.2483, 0.3663



46.4664, 0.2340, 0.2791



16.2877, 0.3006, 0.3334



34.0881, 0.2415, 0.3894



2.5310, 0.2388, 0.3796

Inverse Universe

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



28.5523, 0.4404, 0.3035



30.2928, 0.4826, 0.3009



37.3151, 0.4449, 0.3712



14.4118, 0.3263, 0.3246



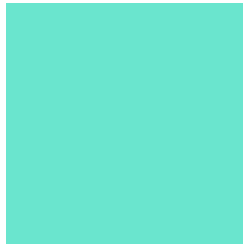
9.6362, 0.6103, 0.3136



0.7247, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 63.5590, 0.2549, 0.3592 looks on a white background.

Color Contrast Check

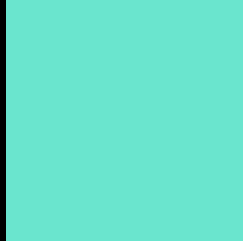
Large Text (above 18pt) WCAG AA × Fail

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 63.5590, 0.2549, 0.3592 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

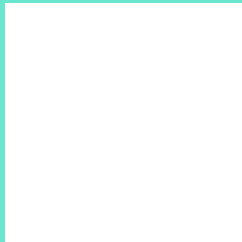
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5590, 0.2549, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 63.5590, 0.2549, 0.3592.

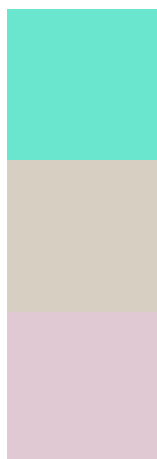


This preview shows how white text looks on a background with the Yxy color 63.5590, 0.2549, 0.3592.

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

63.5590, 0.2549, 0.3592

Protanopia

62.8168, 0.3274, 0.3440

Deuteranopia

62.5343, 0.3234, 0.3169



Tritanopia

63.5737, 0.2419, 0.3066

Trichromacy



Original Color

63.5590, 0.2549, 0.3592



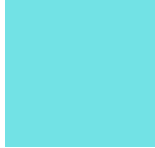
Protanomaly

61.7921, 0.2955, 0.3500



Deuteranomaly

61.1868, 0.2926, 0.3301



Tritanomaly

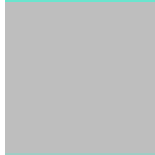
63.6273, 0.2466, 0.3250

Monochromacy



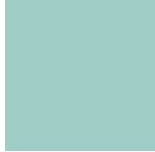
Original Color

63.5590, 0.2549, 0.3592



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.5422, 0.2853, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5590, 0.2549, 0.3592 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(106, 229, 206)` looks like.

```
.text, #text, p{  
    color:rgb(106, 229, 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(106, 229, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 229, 206) }
```

Border

The CSS property to change the border of an element to Yxy 63.5590, 0.2549, 0.3592 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(106, 229, 206) }
```

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

```
.border{ border-color:rgb(106, 229, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 229, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 229, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 229, 206); box-shadow:4px 4px 4px 4px rgb(106, 229, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5590, 0.2549, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 229, 206) }
```

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

```
.background{ background-color: rgb(106,  
229, 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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