

Converting Colors

$Yxy(63.2290, 0.2857, 0.3468)$

Have a look what the booklet for
Yxy(63.2290, 0.2857, 0.3468)
contains.

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Color

Yxy(63.1778, 0.2854, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	A6DBCD
RGB	166, 219, 205
RGB Percent	65%, 86%, 80%
CMY	0.3492, 0.1411, 0.1962
CMYK	0.24, 0.00, 0.06, 0.14
HSL	164°, 42%, 75%
HSV	164°, 24%, 86%
XYZ	52.0674, 63.1778, 67.1914
YIQ	201.5570, -27.0940, -15.5900

Conversions

Conversions Part 2

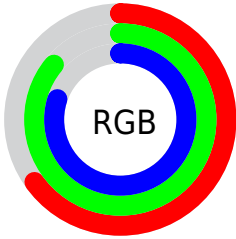
Format	Color
RYB	166, 197, 219
Decimal	10935245
CIELab	83.54, -19.92, 1.34
CIElCh	84, 19.963, 176.152
Yxy	63.1778, 0.2854, 0.3463
Android (android.graphics.Color)	4289125325 (0xFFA6DBCD)
YUV	201.5570, 1.6974, -31.1835
Hunter-Lab	79.4845, -22.1689, 5.5189

Details

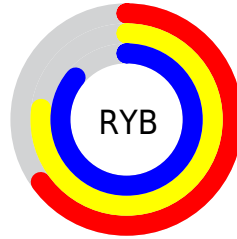
The Yxy color **63.1778, 0.2854, 0.3463** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6148, 0.3499, 0.3125**, and the grayscale version is **58.7697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.2960, 0.2787, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **60.7376, 0.2754, 0.3546**, and if you desaturate by 10%, it is **66.0366, 0.2963, 0.3387**.

Distribution



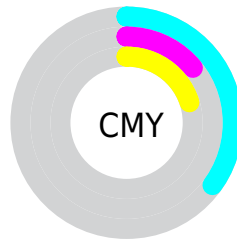
- Red (65%)
- Green (86%)
- Blue (80%)



- Red (65%)
- Yellow (77%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)




- Cyan (35%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1778, 0.2854, 0.3463 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 63.1778, 0.2854, 0.3463 by changing the saturation by 10% instead.


 63.1778, 0.2854,
0.3463

 63.1778, 0.2854,
0.3463


436.2145, 0.2984,
0.3381

 45.9851, 0.2824,
0.3483


 109.4260, 0.2900,
0.3434

 32.2340, 0.2785,
0.3507


 139.2502, 0.2917,
0.3423

 21.5403, 0.2736,
0.3539


174.0537, 0.2932,
0.3413

 13.5195, 0.2671,
0.3581

214.2209, 0.2945,
0.3405

 7.7873, 0.2579,
0.3640

260.1362, 0.2957,
0.3398

 3.9591, 0.2442,
0.3731

312.1840, 0.2967,

 1.6507, 0.2215,

0.3391

370.7486, 0.2976,
0.3386

0.3883

0.3914, 0.0000,
0.5407

0.0000, 0.0000,
0.0000

63.1778, 0.2854,
0.3463

63.1778, 0.2854,
0.3463

60.7376, 0.2754,
0.3546

66.0366, 0.2963,
0.3387

58.6877, 0.2666,
0.3634

69.3252, 0.3078,
0.3317

57.0083, 0.2593,
0.3728


73.0641, 0.3196,
0.3255


55.6748, 0.2537,
0.3825


77.2703, 0.3315,
0.3199

 54.6596, 0.2501,
0.3925


 77.8692, 0.3285,
0.3142


 53.9308, 0.2484,
0.4025


 78.2078, 0.3246,
0.3085

 53.4493, 0.2487,
0.4124

 78.5573, 0.3206,
0.3030

 53.2467, 0.2495,
0.4180

 78.9179, 0.3168,
0.2975

 79.1514, 0.3144,
0.2940

Harmonies

Analogous

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



63.1778, 0.3088, 0.3656



63.1778, 0.2854, 0.3463



63.1778, 0.2697, 0.3224

Triad

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



63.1778, 0.2854, 0.3463



63.1778, 0.2905, 0.2876



63.1778, 0.3628, 0.3535

Complementary

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



63.1778, 0.2854, 0.3463



45.6148, 0.3499, 0.3125

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.



63.1778, 0.3577, 0.3328



63.1778, 0.2854, 0.3463



63.1778, 0.3151, 0.2959

Square

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



63.1778, 0.2854, 0.3463



63.1778, 0.2725, 0.2894



63.1778, 0.3400, 0.3121



63.1778, 0.3538, 0.3688

Rectangle

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



63.1778, 0.2854, 0.3463



63.1778, 0.2652, 0.3079



63.1778, 0.3400, 0.3121



63.1778, 0.3627, 0.3469

Sweetspot

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



63.1804, 0.2854, 0.3463



96.4698, 0.3045, 0.3336



63.1391, 0.3196, 0.3952



20.5865, 0.3037, 0.3340



0.0000, 0.0000, 0.0000



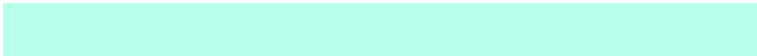
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1804, 0.2854, 0.3463



87.3729, 0.2803, 0.3504



57.6671, 0.2759, 0.3136



14.7677, 0.3017, 0.3353



31.5865, 0.2490, 0.4166



2.0603, 0.2446, 0.4005

Inverse Universe

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



45.6148, 0.3499, 0.3125



58.5272, 0.3602, 0.3088



49.7896, 0.3597, 0.3439



13.1078, 0.3250, 0.3228



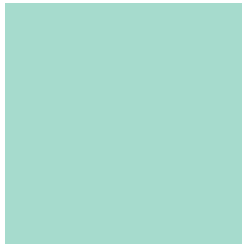
9.1263, 0.5872, 0.3008



0.6054, 0.5403, 0.2750

Previews

White Background



This preview shows how the Yxy color 63.1778, 0.2854, 0.3463 looks on a white background.

Color Contrast Check

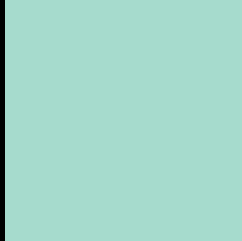
Large Text (above 18pt) WCAG AA × Fail

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 63.1778, 0.2854, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

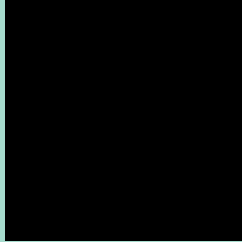
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

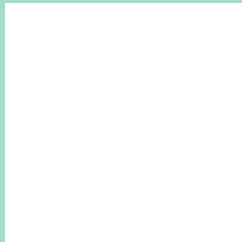
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1778, 0.2854, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 63.1778, 0.2854, 0.3463.

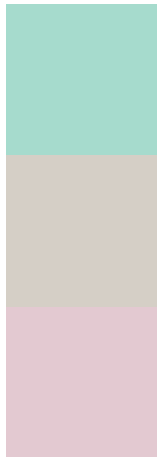


This preview shows how white text looks on a background with the Yxy color 63.1778, 0.2854, 0.3463.

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

63.1778, 0.2854, 0.3463

Protanopia

62.8490, 0.3237, 0.3394

Deuteranopia

62.7076, 0.3272, 0.3202



Tritanopia

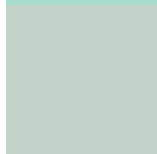
63.0850, 0.2724, 0.3087

Trichromacy



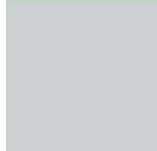
Original Color

63.1778, 0.2854, 0.3463



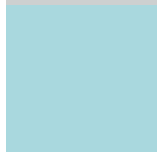
Protanomaly

62.5413, 0.3085, 0.3408



Deuteranomaly

62.6450, 0.3105, 0.3290



Tritanomaly

62.8207, 0.2770, 0.3217

Monochromacy



Original Color

63.1778, 0.2854, 0.3463



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.2424, 0.3021, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1778, 0.2854, 0.3463 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(166, 219, 205)` looks like.

```
.text, #text, p{  
    color:rgb(166, 219, 205)  
}
```

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(166, 219, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 219, 205) }
```

Border

The CSS property to change the border of an element to Yxy 63.1778, 0.2854, 0.3463 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(166, 219, 205) }
```

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

```
.border{ border-color:rgb(166, 219, 205) }
```

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

Here you see how a box with a 4 pixel rgb(166, 219, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 219, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 219, 205);  
box-shadow:4px 4px 4px 4px rgb(166, 219,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1778, 0.2854, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 219, 205) }
```

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

```
.background{ background-color: rgb(166,  
219, 205) }
```

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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