

Converting Colors

$Yxy(66.8521, 0.2859, 0.3423)$

Have a look what the booklet for
Yxy(66.8521, 0.2859, 0.3423)
contains.

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Color

Yxy(66.9996, 0.2854, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	ADE0D5
RGB	173, 224, 213
RGB Percent	68%, 88%, 84%
CMY	0.3217, 0.1215, 0.1646
CMYK	0.23, 0.00, 0.05, 0.12
HSL	167°, 45%, 78%
HSV	167°, 23%, 88%
XYZ	55.8950, 66.9996, 72.9534
YIQ	207.4970, -26.8650, -14.2330

Conversions

Conversions Part 2

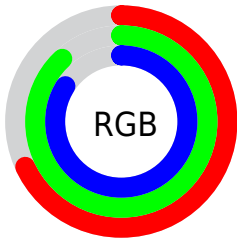
Format	Color
R_{YB}	173, 202, 224
Decimal	11395285
CIE Lab	85.50, -18.61, -0.00
CIE LCh	86, 18.612, 180.005
Yxy	66.9996, 0.2854, 0.3421
Android (android.graphics.Color)	4289585365 (0xFFADEF05)
YUV	207.4970, 2.7130, -30.2539
Hunter-Lab	81.8533, -21.3512, 4.4539

Details

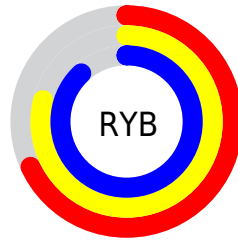
The Yxy color **66.9996, 0.2854, 0.3421** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1792, 0.3495, 0.3164**, and the grayscale version is **62.7268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **34.7665, 0.2788, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **64.4187, 0.2747, 0.3487**, and if you desaturate by 10%, it is **70.0214, 0.2970, 0.3360**.

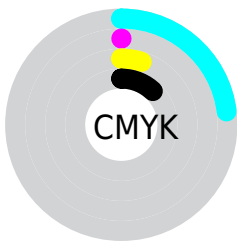
Distribution



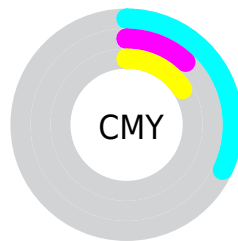
- Red (68%)
- Green (88%)
- Blue (84%)



- Red (68%)
- Yellow (79%)
- Blue (88%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)





- Cyan (32%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9996, 0.2854, 0.3421 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 66.9996, 0.2854, 0.3421 by changing the saturation by 10% instead.

 66.9996, 0.2854,
0.3421

 66.9996, 0.2854,
0.3421


449.9433, 0.2982,
0.3360

 49.0843, 0.2824,
0.3435


 114.9198, 0.2899,
0.3400

 34.6864, 0.2787,
0.3453

145.6936, 0.2916,
0.3391

 23.4214, 0.2740,
0.3475


181.5222, 0.2931,
0.3384

 14.9050, 0.2678,
0.3505

222.7902, 0.2944,
0.3378

 8.7527, 0.2592,
0.3546

269.8819, 0.2955,
0.3373

 4.5802, 0.2466,
0.3607

323.1818, 0.2965,

 2.0031, 0.2262,

0.3368

383.0741, 0.2974,
0.3364

0.3704

0.6093, 0.0893,
0.4360

0.0000, 0.0000,
0.0000

66.9996, 0.2854,
0.3421

66.9996, 0.2854,
0.3421

64.4187, 0.2747,
0.3487

70.0214, 0.2970,
0.3360

62.2489, 0.2652,
0.3558

73.4958, 0.3092,
0.3305

60.4699, 0.2573,
0.3632

77.4441, 0.3218,
0.3254

59.0561, 0.2510,
0.3709

80.4209, 0.3291,
0.3208

■ 57.9788, 0.2467,
0.3788

■ 80.6991, 0.3259,
0.3161

■ 57.2050, 0.2444,
0.3868

■ 80.9849, 0.3227,
0.3114

■ 56.6950, 0.2440,
0.3947

■ 81.2783, 0.3195,
0.3068

■ 56.4443, 0.2446,
0.4004

■ 81.5794, 0.3163,
0.3022

■ 81.7973, 0.3141,
0.2990

Harmonies

Analogous

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



66.9996, 0.3062, 0.3606



66.9996, 0.2854, 0.3421



66.9996, 0.2721, 0.3204

Triad

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



66.9996, 0.2854, 0.3421



66.9996, 0.2951, 0.2915



66.9996, 0.3581, 0.3537

Complementary

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



66.9996, 0.2854, 0.3421



49.1792, 0.3495, 0.3164

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.



66.9996, 0.3551, 0.3352



66.9996, 0.2854, 0.3421



66.9996, 0.3180, 0.3002

Square

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



66.9996, 0.2854, 0.3421



66.9996, 0.2775, 0.2920



66.9996, 0.3402, 0.3159



66.9996, 0.3485, 0.3666

Rectangle

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



66.9996, 0.2854, 0.3421



66.9996, 0.2690, 0.3075



66.9996, 0.3402, 0.3159



66.9996, 0.3585, 0.3479

Sweetspot

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



67.0024, 0.2854, 0.3421



96.5254, 0.3040, 0.3328



66.5258, 0.3175, 0.3913



20.5994, 0.3032, 0.3331



0.0000, 0.0000, 0.0000



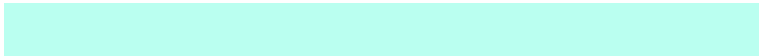
21.4041, 0.3127, 0.3290

Same Dimension

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



67.0024, 0.2854, 0.3421



88.2802, 0.2806, 0.3450



60.1317, 0.2777, 0.3115



15.5192, 0.3010, 0.3341



32.8687, 0.2442, 0.3992



2.2910, 0.2408, 0.3870

Inverse Universe

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



49.1792, 0.3495, 0.3164



60.6564, 0.3588, 0.3138



54.5857, 0.3557, 0.3459



13.7486, 0.3258, 0.3240



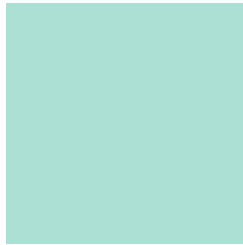
9.3633, 0.6026, 0.3093



0.6622, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 66.9996, 0.2854, 0.3421 looks on a white background.

Color Contrast Check

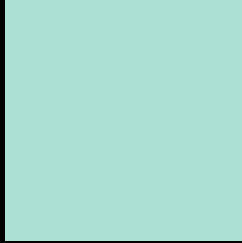
Large Text (above 18pt) WCAG AA × Fail

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 66.9996, 0.2854, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

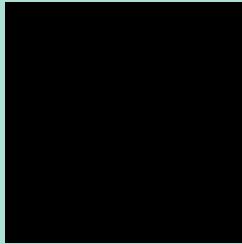
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

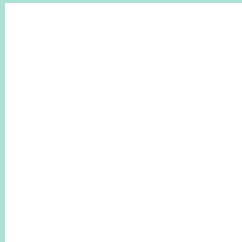
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9996, 0.2854, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 66.9996, 0.2854, 0.3421.

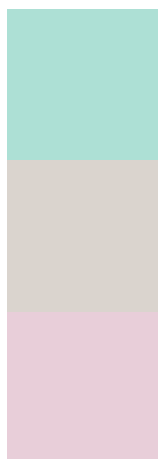


This preview shows how white text looks on a background with the Yxy color 66.9996, 0.2854, 0.3421.

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

66.9996, 0.2854, 0.3421

Protanopia

66.4486, 0.3213, 0.3357

Deuteranopia

66.3082, 0.3247, 0.3172



Tritanopia

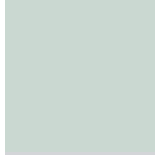
66.8244, 0.2738, 0.3081

Trichromacy



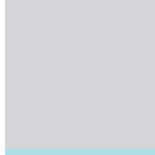
Original Color

66.9996, 0.2854, 0.3421



Protanomaly

66.2717, 0.3073, 0.3371



Deuteranomaly

66.3953, 0.3092, 0.3256



Tritanomaly

66.6002, 0.2778, 0.3195

Monochromacy



Original Color

66.9996, 0.2854, 0.3421



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

63.7941, 0.3024, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9996, 0.2854, 0.3421 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(173, 224, 213)` looks like.

```
.text, #text, p{  
    color:rgb(173, 224, 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(173, 224, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 224, 213) }
```

Border

The CSS property to change the border of an element to Yxy 66.9996, 0.2854, 0.3421 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(173, 224, 213) }
```

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

```
.border{ border-color:rgb(173, 224, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 224, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 224, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 224, 213);  
box-shadow:4px 4px 4px 4px rgb(173, 224,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9996, 0.2854, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 224, 213) }
```

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

```
.background{ background-color: rgb(173,  
224, 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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