

Converting Colors

$Yxy(63.7413, 0.2825, 0.3375)$

Have a look what the booklet for
Yxy(63.7413, 0.2825, 0.3375)
contains.

Yxy(63.7413, 0.2825, 0.3375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.7413, 0.2825, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	A8DBD4
RGB	168, 219, 212
RGB Percent	66%, 86%, 83%
CMY	0.3414, 0.1411, 0.1687
CMYK	0.23, 0.00, 0.03, 0.14
HSL	172°, 42%, 76%
HSV	172°, 23%, 86%
XYZ	53.3538, 63.7413, 71.7680
YIQ	202.9530, -28.1490, -12.9890

Conversions

Conversions Part 2

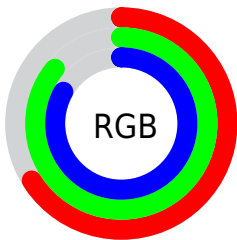
Format	Color
RYB	168, 195, 219
Decimal	11066324
CIELab	83.83, -17.85, -1.93
CIElCh	84, 17.953, 186.181
Yxy	63.7413, 0.2825, 0.3375
Android (android.graphics.Color)	4289256404 (0xFFA8DBD4)
YUV	202.9530, 4.4602, -30.6538
Hunter-Lab	79.8381, -20.4297, 2.5898

Details

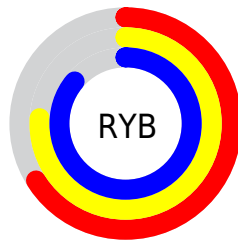
The Yxy color **63.7413, 0.2825, 0.3375** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1441, 0.3541, 0.3208**, and the grayscale version is **59.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **32.6301, 0.2757, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **61.3892, 0.2711, 0.3417**, and if you desaturate by 10%, it is **66.5063, 0.2950, 0.3336**.

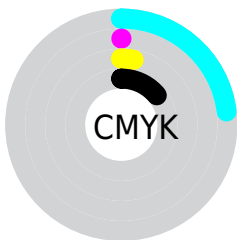
Distribution



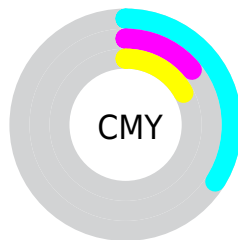
- Red (66%)
- Green (86%)
- Blue (83%)



- Red (66%)
- Yellow (76%)
- Blue (86%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)




- Cyan (34%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7413, 0.2825, 0.3375 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 63.7413, 0.2825, 0.3375 by changing the saturation by 10% instead.


 63.7413, 0.2825,
0.3375


 63.7413, 0.2825,
0.3375


438.2548, 0.2968,
0.3336

 46.4412, 0.2792,
0.3384


 110.2383, 0.2875,
0.3361

 32.5941, 0.2750,
0.3395


 140.2039, 0.2894,
0.3356

 21.8157, 0.2697,
0.3409


175.1602, 0.2911,
0.3352

 13.7215, 0.2627,
0.3427

215.4915, 0.2925,
0.3348

 7.9272, 0.2529,
0.3452

261.5822, 0.2938,
0.3344

 4.0484, 0.2385,
0.3488

313.8168, 0.2949,

 1.7007, 0.2150,

0.3341

372.5795, 0.2959,
0.3338

0.3542

0.4241, 0.0000,
0.4154

0.0000, 0.0000,
0.0000

63.7413, 0.2825,
0.3375

63.7413, 0.2825,
0.3375

61.3892, 0.2711,
0.3417

66.5063, 0.2950,
0.3336

59.4218, 0.2609,
0.3461


69.6951, 0.3082,
0.3301

57.8198, 0.2524,
0.3507


73.3281, 0.3219,
0.3269

56.5588, 0.2457,
0.3555

77.3162, 0.3354,
0.3240

 55.6116, 0.2409,
0.3603


 77.4813, 0.3333,
0.3210


 54.9468, 0.2380,
0.3652


 77.6494, 0.3312,
0.3180

 54.5265, 0.2370,
0.3701

 77.8204, 0.3291,
0.3150

 54.3398, 0.2370,
0.3733

 77.9943, 0.3270,
0.3121

 78.1712, 0.3250,
0.3091

Harmonies

Analogous

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



63.7413, 0.3018, 0.3568



63.7413, 0.2825, 0.3375



63.7413, 0.2714, 0.3164

Triad

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



63.7413, 0.2825, 0.3375



63.7413, 0.2998, 0.2932



63.7413, 0.3562, 0.3565

Complementary

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



63.7413, 0.2825, 0.3375



46.1441, 0.3541, 0.3208

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.



63.7413, 0.3559, 0.3390



63.7413, 0.2825, 0.3375



63.7413, 0.3227, 0.3034

Square

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



63.7413, 0.2825, 0.3375



63.7413, 0.2811, 0.2918



63.7413, 0.3434, 0.3199



63.7413, 0.3445, 0.3674

Rectangle

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



63.7413, 0.2825, 0.3375



63.7413, 0.2698, 0.3046



63.7413, 0.3434, 0.3199



63.7413, 0.3575, 0.3511

Sweetspot

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



63.7439, 0.2825, 0.3375



96.6131, 0.3032, 0.3314



62.6818, 0.3151, 0.3933



20.6198, 0.3024, 0.3316



0.0000, 0.0000, 0.0000



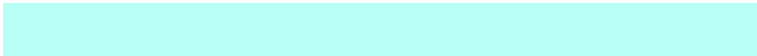
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7439, 0.2825, 0.3375



88.2639, 0.2767, 0.3395



55.2750, 0.2766, 0.3068



14.7971, 0.3000, 0.3322



32.2275, 0.2368, 0.3725



2.0965, 0.2346, 0.3647

Inverse Universe

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



46.1441, 0.3541, 0.3208



59.2445, 0.3659, 0.3189



52.9316, 0.3560, 0.3502



13.0806, 0.3270, 0.3258



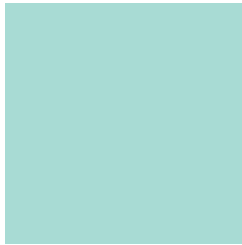
8.9953, 0.6211, 0.3195



0.5924, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 63.7413, 0.2825, 0.3375 looks on a white background.

Color Contrast Check

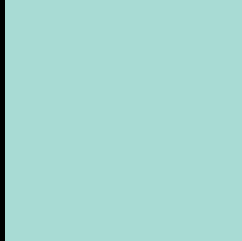
Large Text (above 18pt) WCAG AA × Fail

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 63.7413, 0.2825, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

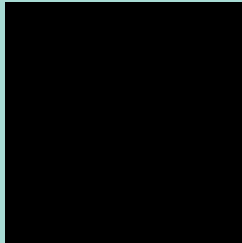
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

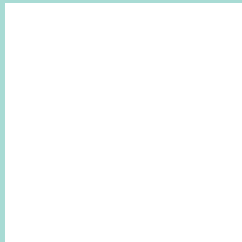
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7413, 0.2825, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 63.7413, 0.2825, 0.3375.



This preview shows how white text looks on a background with the Yxy color 63.7413, 0.2825, 0.3375.

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

63.7413, 0.2825, 0.3375

Protanopia

63.1796, 0.3187, 0.3313

Deuteranopia

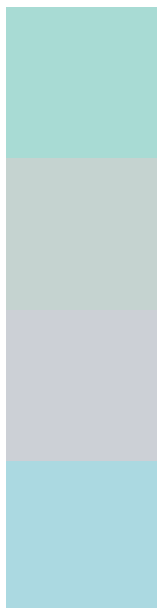
63.1549, 0.3211, 0.3147



Tritanopia

63.7656, 0.2726, 0.3088

Trichromacy



Original Color

63.7413, 0.2825, 0.3375

Protanomaly

63.0129, 0.3045, 0.3325

Deuteranomaly

62.8042, 0.3056, 0.3221

Tritanomaly

63.7199, 0.2766, 0.3193

Monochromacy



Original Color

63.7413, 0.2825, 0.3375

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.0043, 0.3008, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7413, 0.2825, 0.3375 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(168, 219, 212)` looks like.

```
.text, #text, p{  
    color:rgb(168, 219, 212)  
}
```

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(168, 219, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 219, 212) }
```

Border

The CSS property to change the border of an element to Yxy 63.7413, 0.2825, 0.3375 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(168, 219, 212) }
```

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

```
.border{ border-color:rgb(168, 219, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 219, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 219, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 219, 212);  
box-shadow:4px 4px 4px 4px rgb(168, 219,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7413, 0.2825, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 219, 212) }
```

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

```
.background{ background-color: rgb(168,  
219, 212) }
```

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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