

Converting Colors

$Yxy(63.1708, 0.2830, 0.3375)$

Have a look what the booklet for
Yxy(63.1708, 0.2830, 0.3375)
contains.

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Color

Yxy(63.1708, 0.2830, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	A8DAD3
RGB	168, 218, 211
RGB Percent	66%, 85%, 83%
CMY	0.3414, 0.1450, 0.1725
CMYK	0.23, 0.00, 0.03, 0.15
HSL	172°, 40%, 76%
HSV	172°, 23%, 85%
XYZ	52.9699, 63.1708, 71.0321
YIQ	202.2520, -27.5530, -12.7770

Conversions

Conversions Part 2

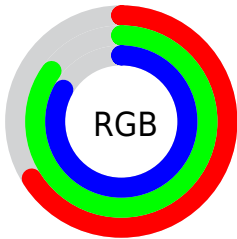
Format	Color
RYB	168, 195, 218
Decimal	11066067
CIELab	83.53, -17.55, -1.85
CIELCh	84, 17.650, 186.020
Yxy	63.1708, 0.2830, 0.3375
Android (android.graphics.Color)	4289256147 (0xFFA8DAD3)
YUV	202.2520, 4.3128, -30.0390
Hunter-Lab	79.4801, -20.1279, 2.6480

Details

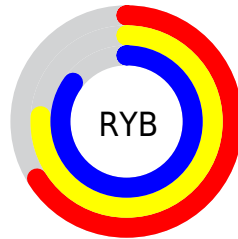
The Yxy color **63.1708, 0.2830, 0.3375** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9881, 0.3532, 0.3207**, and the grayscale version is **59.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **32.2735, 0.2756, 0.3388** is the 20% darker color. If you saturate the color by 10%, you get **60.8270, 0.2715, 0.3417**, and if you desaturate by 10%, it is **65.9238, 0.2955, 0.3336**.

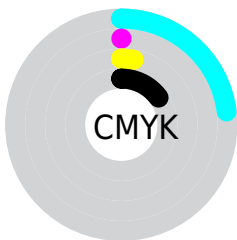
Distribution



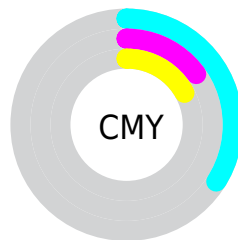
- Red (66%)
- Green (85%)
- Blue (83%)



- Red (66%)
- Yellow (76%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)





- Cyan (34%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1708, 0.2830, 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 63.1708, 0.2830, 0.3375 by changing the saturation by 10% instead.

 63.1708, 0.2830,
0.3375

 63.1708, 0.2830,
0.3375


436.1891, 0.2970,
0.3336

 45.9794, 0.2797,
0.3384


 109.4159, 0.2879,
0.3361

 32.2296, 0.2756,
0.3395


 139.2384, 0.2898,
0.3356

 21.5369, 0.2704,
0.3409


174.0400, 0.2915,
0.3351

 13.5170, 0.2634,
0.3428

214.2051, 0.2929,
0.3347

 7.7855, 0.2537,
0.3453

260.1182, 0.2941,
0.3344

 3.9580, 0.2394,
0.3489

312.1637, 0.2952,

 1.6501, 0.2159,

0.3341

370.7258, 0.2962,
0.3338

0.3545

0.3910, 0.0000,
0.4133

0.0000, 0.0000,
0.0000

63.1708, 0.2830,
0.3375

63.1708, 0.2830,
0.3375

60.8270, 0.2715,
0.3417

65.9238, 0.2955,
0.3336

58.8646, 0.2614,
0.3462

69.0968, 0.3087,
0.3300

57.2645, 0.2528,
0.3509

72.7099, 0.3224,
0.3268

56.0027, 0.2461,
0.3558

76.7499, 0.3361,
0.3238

■ 55.0525, 0.2412,
0.3607

■ 76.9163, 0.3340,
0.3208

■ 54.3830, 0.2383,
0.3657

■ 77.0856, 0.3319,
0.3178

■ 53.9570, 0.2372,
0.3706

■ 77.2580, 0.3297,
0.3147

■ 53.7596, 0.2372,
0.3740

■ 77.4333, 0.3276,
0.3118

■ 77.6117, 0.3255,
0.3088

Harmonies

Analogous

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



63.1708, 0.3020, 0.3565



63.1708, 0.2830, 0.3375



63.1708, 0.2720, 0.3167

Triad

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



63.1708, 0.2830, 0.3375



63.1708, 0.2999, 0.2937



63.1708, 0.3557, 0.3560

Complementary

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



63.1708, 0.2830, 0.3375



45.9881, 0.3532, 0.3207

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.



63.1708, 0.3553, 0.3388



63.1708, 0.2830, 0.3375



63.1708, 0.3224, 0.3037

Square

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



63.1708, 0.2830, 0.3375



63.1708, 0.2814, 0.2923



63.1708, 0.3429, 0.3199



63.1708, 0.3442, 0.3668

Rectangle

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



63.1708, 0.2830, 0.3375



63.1708, 0.2704, 0.3050



63.1708, 0.3429, 0.3199



63.1708, 0.3569, 0.3508

Sweetspot

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



63.1734, 0.2830, 0.3375



96.6104, 0.3032, 0.3314



62.1432, 0.3151, 0.3922



20.6192, 0.3024, 0.3316



0.0000, 0.0000, 0.0000



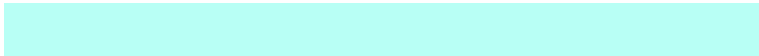
21.4041, 0.3127, 0.3290

Same Dimension

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



63.1734, 0.2830, 0.3375



88.2538, 0.2768, 0.3397



54.9191, 0.2772, 0.3071



14.7966, 0.3001, 0.3323



32.2146, 0.2370, 0.3733



2.0958, 0.2348, 0.3653

Inverse Universe

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



45.9881, 0.3532, 0.3207



59.2520, 0.3657, 0.3187



52.6291, 0.3552, 0.3499



13.0811, 0.3270, 0.3258



8.9970, 0.6206, 0.3193



0.5926, 0.5822, 0.2981

Previews

White Background



This preview shows how the Yxy color 63.1708, 0.2830, 0.3375 looks on a white background.

Color Contrast Check

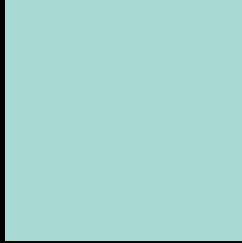
Large Text (above 18pt) WCAG AA × Fail

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 63.1708, 0.2830, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

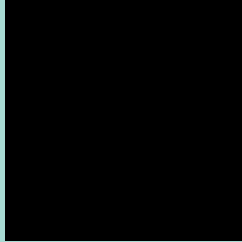
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

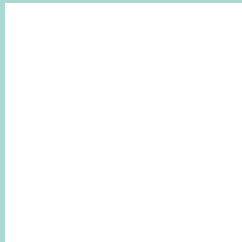
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1708, 0.2830, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 63.1708, 0.2830, 0.3375.



This preview shows how white text looks on a background with the Yxy color 63.1708, 0.2830, 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

63.1708, 0.2830, 0.3375

Protanopia

62.9823, 0.3186, 0.3325

Deuteranopia

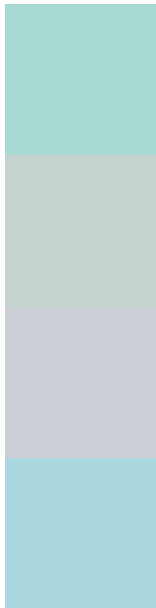
62.4756, 0.3211, 0.3146



Tritanopia

63.1977, 0.2730, 0.3088

Trichromacy



Original Color

63.1708, 0.2830, 0.3375

Protanomaly

62.8293, 0.3044, 0.3337

Deuteranomaly

62.2671, 0.3063, 0.3221

Tritanomaly

63.1515, 0.2771, 0.3193

Monochromacy



Original Color

63.1708, 0.2830, 0.3375

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.4667, 0.3015, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1708, 0.2830, 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, 218, 211)` looks like.

```
.text, #text, p{  
    color:rgb(168, 218, 211)  
}
```

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, 218, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 218, 211) }
```

Border

The CSS property to change the border of an element to Yxy 63.1708, 0.2830, 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, 218, 211) }
```

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

```
.border{ border-color:rgb(168, 218, 211) }
```

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

Here you see how a box with a 4 pixel rgb(168, 218, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 218, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 218, 211);  
box-shadow:4px 4px 4px 4px rgb(168, 218,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1708, 0.2830, 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, 218, 211) }
```

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

```
.background{ background-color: rgb(168,  
218, 211) }
```

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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