

Converting Colors

$Yxy(66.3304, 0.2860, 0.3344)$

Have a look what the booklet for
Yxy(66.3304, 0.2860, 0.3344)
contains.

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Color

Yxy(66.1876, 0.2861, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	B2DDD9
RGB	178, 221, 217
RGB Percent	70%, 87%, 85%
CMY	0.3018, 0.1333, 0.1491
CMYK	0.19, 0.00, 0.02, 0.13
HSL	174°, 39%, 78%
HSV	174°, 19%, 87%
XYZ	56.7464, 66.1876, 75.4106
YIQ	207.6870, -24.3440, -10.3600

Conversions

Conversions Part 2

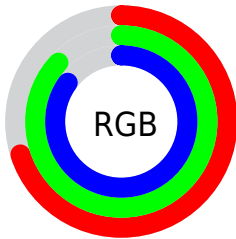
Format	Color
R _Y B	178, 201, 221
Decimal	11722201
CIE Lab	85.09, -14.72, -2.65
CIE LCh	85, 14.958, 190.223
Yxy	66.1876, 0.2861, 0.3337
Android (android.graphics.Color)	4289912281 (0xFFB2DDD9)
YUV	207.6870, 4.5913, -26.0355
Hunter-Lab	81.3558, -17.8672, 1.9917

Details

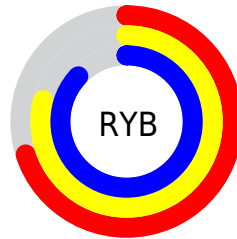
The Yxy color **66.1876, 0.2861, 0.3337** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6135, 0.3474, 0.3244**, and the grayscale version is **62.8512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **34.1662, 0.2794, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **63.6753, 0.2737, 0.3364**, and if you desaturate by 10%, it is **69.1279, 0.2995, 0.3312**.

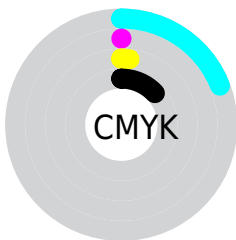
Distribution



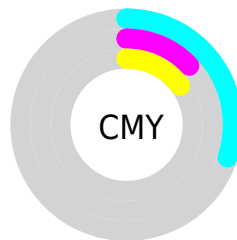
- Red (70%)
- Green (87%)
- Blue (85%)



- Red (70%)
- Yellow (79%)
- Blue (87%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (30%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1876, 0.2861, 0.3337 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 66.1876, 0.2861, 0.3337 by changing the saturation by 10% instead.


 66.1876, 0.2861,
0.3337

 66.1876, 0.2861,
0.3337


447.0475, 0.2986,
0.3316

 48.4247, 0.2832,
0.3342


 113.7555, 0.2905,
0.3330

 34.1633, 0.2796,
0.3347


144.3294, 0.2921,
0.3327

 23.0191, 0.2751,
0.3354

179.9423, 0.2936,
0.3324

 14.6076, 0.2690,
0.3364

220.9788, 0.2948,
0.3322

 8.5445, 0.2607,
0.3375

267.8231, 0.2959,
0.3320

 4.4453, 0.2485,
0.3392

320.8598, 0.2969,

 1.9256, 0.2289,

0.3319

380.4731, 0.2978,
0.3317

0.3414

0.5637, 0.1146,
0.3662

0.0000, 0.0000,
0.0000

66.1876, 0.2861,
0.3337

66.1876, 0.2861,
0.3337

63.6753, 0.2737,
0.3364

69.1279, 0.2995,
0.3312

61.5627, 0.2627,
0.3393


72.5067, 0.3135,
0.3289


59.8306, 0.2531,
0.3424

76.3444, 0.3280,
0.3268


58.4553, 0.2454,
0.3455

78.4210, 0.3343,
0.3248


 57.4103, 0.2395,
0.3487


 78.5349, 0.3329,
0.3227


 56.6652, 0.2355,
0.3520

 78.6501, 0.3315,
0.3207

 56.1842, 0.2335,
0.3552

 78.7668, 0.3300,
0.3186

 55.9082, 0.2329,
0.3583

 78.8848, 0.3286,
0.3166

 55.8946, 0.2329,
0.3585

 79.0042, 0.3272,
0.3146

Harmonies

Analogous

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



66.1876, 0.3014, 0.3499



66.1876, 0.2861, 0.3337



66.1876, 0.2779, 0.3167

Triad

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



66.1876, 0.2861, 0.3337



66.1876, 0.3046, 0.3001



66.1876, 0.3477, 0.3534

Complementary

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



66.1876, 0.2861, 0.3337



50.6135, 0.3474, 0.3244

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.



66.1876, 0.3488, 0.3396



66.1876, 0.2861, 0.3337



66.1876, 0.3235, 0.3094

Square

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



66.1876, 0.2861, 0.3337



66.1876, 0.2884, 0.2979



66.1876, 0.3398, 0.3236



66.1876, 0.3370, 0.3612

Rectangle

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



66.1876, 0.2861, 0.3337



66.1876, 0.2775, 0.3074



66.1876, 0.3398, 0.3236



66.1876, 0.3492, 0.3493

Sweetspot

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



66.1903, 0.2861, 0.3337



97.1208, 0.3042, 0.3304



64.9146, 0.3133, 0.3817



20.7237, 0.3032, 0.3305



0.0000, 0.0000, 0.0000



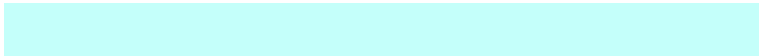
21.4041, 0.3127, 0.3290

Same Dimension

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



66.1903, 0.2861, 0.3337



90.1739, 0.2813, 0.3347



57.7909, 0.2825, 0.3082



14.8074, 0.2995, 0.3312



32.4804, 0.2328, 0.3580



2.1105, 0.2313, 0.3528

Inverse Universe

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



50.6135, 0.3474, 0.3244



65.1549, 0.3560, 0.3235



57.7212, 0.3472, 0.3490



13.0712, 0.3277, 0.3268



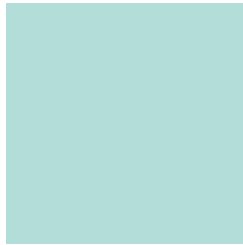
8.9681, 0.6288, 0.3238



0.5879, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 66.1876, 0.2861, 0.3337 looks on a white background.

Color Contrast Check

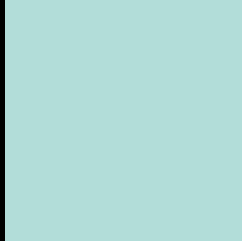
Large Text (above 18pt) WCAG AA × Fail

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 66.1876, 0.2861, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

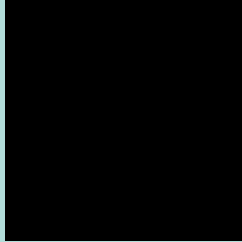
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

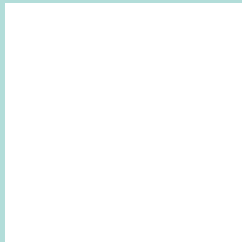
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.1876, 0.2861, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 66.1876, 0.2861, 0.3337.

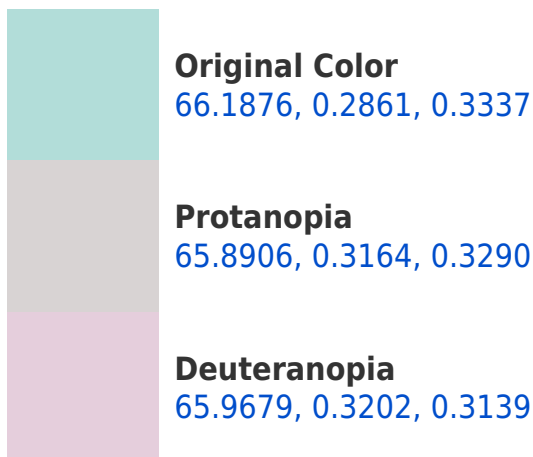


This preview shows how white text looks on a background with the Yxy color 66.1876, 0.2861, 0.3337.

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

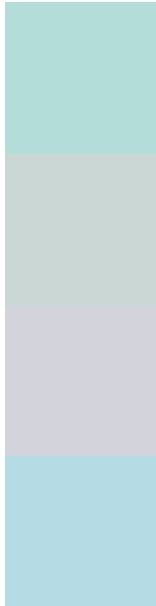




Tritanopia

66.1440, 0.2772, 0.3082

Trichromacy



Original Color

66.1876, 0.2861, 0.3337

Protanomaly

65.9615, 0.3047, 0.3313

Deuteranomaly

65.4046, 0.3065, 0.3200

Tritanomaly

66.1439, 0.2807, 0.3173

Monochromacy



Original Color

66.1876, 0.2861, 0.3337

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.1620, 0.3025, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1876, 0.2861, 0.3337 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(178, 221, 217)` looks like.

```
.text, #text, p{  
    color:rgb(178, 221, 217)  
}
```

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(178, 221, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 221, 217) }
```

Border

The CSS property to change the border of an element to Yxy 66.1876, 0.2861, 0.3337 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(178, 221, 217) }
```

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

```
.border{ border-color:rgb(178, 221, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 221, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 221, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 221, 217); box-shadow:4px 4px 4px 4px rgb(178, 221, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1876, 0.2861, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 221, 217) }
```

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

```
.background{ background-color: rgb(178,  
221, 217) }
```

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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