

Converting Colors

$Y_{xy}(63.3237, 0.2789, 0.3205)$

Have a look what the booklet for
Yxy(63.3237, 0.2789, 0.3205)
contains.

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Color

Yxy(63.3237, 0.2789, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	ADD8DF
RGB	173, 216, 223
RGB Percent	68%, 85%, 87%
CMY	0.3217, 0.1529, 0.1254
CMYK	0.22, 0.03, 0.00, 0.13
HSL	188°, 44%, 78%
HSV	188°, 22%, 87%
XYZ	55.1045, 63.3237, 79.1497
YIQ	203.9410, -27.8750, -6.9390

Conversions

Conversions Part 2

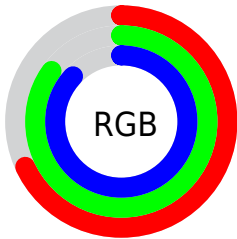
Format	Color
R _{YB}	173, 196, 223
Decimal	11393247
CIE Lab	83.61, -12.44, -8.08
CIE LCh	84, 14.839, 213.008
Yxy	63.3237, 0.2789, 0.3205
Android (android.graphics.Color)	4289583327 (0xFFADD8DF)
YUV	203.9410, 9.3961, -27.1353
Hunter-Lab	79.5762, -15.6517, -3.2689

Details

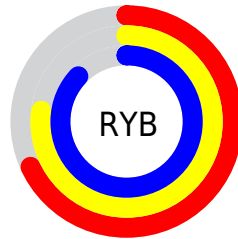
The Yxy color **63.3237, 0.2789, 0.3205** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3409, 0.3567, 0.3373**, and the grayscale version is **60.2946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **32.2388, 0.2702, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **59.4066, 0.2650, 0.3162**, and if you desaturate by 10%, it is **67.7008, 0.2936, 0.3245**.

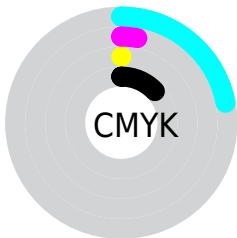
Distribution



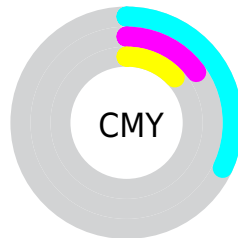
- Red (68%)
- Green (85%)
- Blue (87%)



- Red (68%)
- Yellow (77%)
- Blue (87%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)





- Cyan (32%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3237, 0.2789, 0.3205 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 63.3237, 0.2789, 0.3205 by changing the saturation by 10% instead.


 63.3237, 0.2789,
0.3205

 63.3237, 0.2789,
0.3205


436.7433, 0.2948,
0.3247

 46.1031, 0.2752,
0.3195


 109.6364, 0.2845,
0.3220

 32.3272, 0.2706,
0.3181


139.4973, 0.2866,
0.3226

 21.6115, 0.2648,
0.3164


174.3404, 0.2884,
0.3231

 13.5718, 0.2571,
0.3139

214.5502, 0.2900,
0.3235

 7.8234, 0.2465,
0.3104

260.5109, 0.2914,
0.3239

 3.9822, 0.2309,
0.3048

312.6071, 0.2927,

 1.6636, 0.2061,

0.3242

0.2949

371.2231, 0.2938,
0.3245

0.3999, 0.0517,
0.2707

0.0000, 0.0000,
0.0000

63.3237, 0.2789,
0.3205

63.3237, 0.2789,
0.3205

59.4066, 0.2650,
0.3162

67.7008, 0.2936,
0.3245

55.9205, 0.2523,
0.3117

72.5499, 0.3089,
0.3282

52.8449, 0.2410,
0.3069

77.8921, 0.3245,
0.3315

50.1547, 0.2314,
0.3020

82.3596, 0.3349,
0.3345

■ 47.8213, 0.2237,
0.2970

■ 84.1002, 0.3345,
0.3376

■ 45.8124, 0.2179,
0.2920

■ 85.8721, 0.3341,
0.3407

■ 44.0887, 0.2141,
0.2871

■ 87.6754, 0.3337,
0.3438

■ 42.9279, 0.2121,
0.2834

■ 89.5103, 0.3333,
0.3468

■ 91.3770, 0.3329,
0.3498

Harmonies

Analogous

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



63.3237, 0.2891, 0.3379



63.3237, 0.2789, 0.3205



63.3237, 0.2775, 0.3061

Triad

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



63.3237, 0.2789, 0.3205



63.3237, 0.3190, 0.3065



63.3237, 0.3405, 0.3602

Complementary

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



63.3237, 0.2789, 0.3205



51.3409, 0.3567, 0.3373

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.



63.3237, 0.3492, 0.3506



63.3237, 0.2789, 0.3205



63.3237, 0.3366, 0.3199

Square

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



63.3237, 0.2789, 0.3205



63.3237, 0.3002, 0.2987



63.3237, 0.3478, 0.3358



63.3237, 0.3245, 0.3614

Rectangle

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



63.3237, 0.2789, 0.3205



63.3237, 0.2817, 0.3001



63.3237, 0.3478, 0.3358



63.3237, 0.3444, 0.3578

Sweetspot

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



63.3263, 0.2789, 0.3205



95.1845, 0.3018, 0.3265



64.9506, 0.3056, 0.3830



20.2878, 0.3009, 0.3263



0.0000, 0.0000, 0.0000



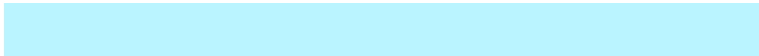
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3263, 0.2789, 0.3205



83.1950, 0.2722, 0.3185



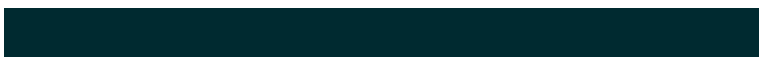
51.6091, 0.2766, 0.2898



15.2276, 0.2982, 0.3256



25.3593, 0.2123, 0.2841



1.8490, 0.2144, 0.2917

Inverse Universe

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



50.5222, 0.3210, 0.2807



63.0551, 0.3231, 0.2703



62.2128, 0.3507, 0.3653



13.9009, 0.3159, 0.3091



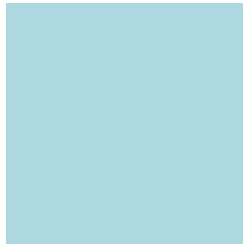
11.4681, 0.3597, 0.1755



0.8041, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 63.3237, 0.2789, 0.3205 looks on a white background.

Color Contrast Check

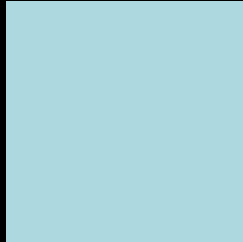
Large Text (above 18pt) WCAG AA × Fail

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 63.3237, 0.2789, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

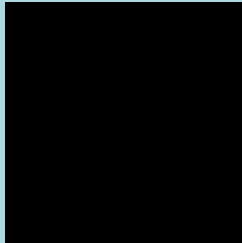
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

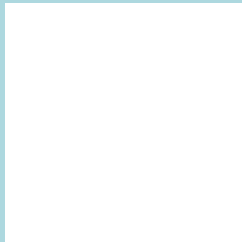
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3237, 0.2789, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 63.3237, 0.2789, 0.3205.

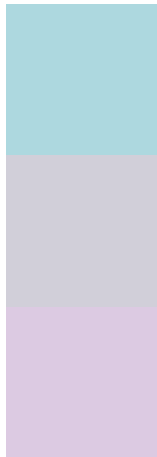


This preview shows how white text looks on a background with the Yxy color 63.3237, 0.2789, 0.3205.

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

63.3237, 0.2789, 0.3205

Protanopia

63.1907, 0.3073, 0.3176

Deuteranopia

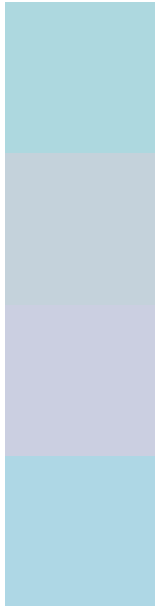
62.9477, 0.3094, 0.3026



Tritanopia

63.5410, 0.2749, 0.3089

Trichromacy



Original Color

63.3237, 0.2789, 0.3205

Protanomaly

62.9434, 0.2965, 0.3185

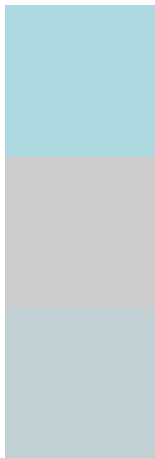
Deuteranomaly

62.7584, 0.2975, 0.3085

Tritanomaly

63.2567, 0.2760, 0.3123

Monochromacy



Original Color

63.3237, 0.2789, 0.3205

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.1524, 0.2996, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3237, 0.2789, 0.3205 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, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(173, 216, 223)  
}
```

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, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 216, 223) }
```

Border

The CSS property to change the border of an element to Yxy 63.3237, 0.2789, 0.3205 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, 216, 223) }
```

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

```
.border{ border-color:rgb(173, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(173, 216,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3237, 0.2789, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 216, 223) }
```

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

```
.background{ background-color: rgb(173,  
216, 223) }
```

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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