

Converting Colors

$Yxy(63.0792, 0.2703, 0.3160)$

Have a look what the booklet for
Yxy(63.0792, 0.2703, 0.3160)
contains.

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Color

Yxy(63.0137, 0.2701, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	A3D9E4
RGB	163, 217, 228
RGB Percent	64%, 85%, 89%
CMY	0.3606, 0.1490, 0.1059
CMYK	0.28, 0.05, 0.00, 0.11
HSL	190°, 55%, 77%
HSV	190°, 28%, 89%
XYZ	53.9290, 63.0137, 82.7205
YIQ	202.1080, -35.7150, -8.0270

Conversions

Conversions Part 2

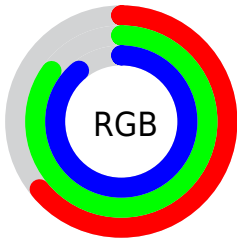
Format	Color
R _{YB}	163, 192, 228
Decimal	10738148
CIE _{Lab}	83.45, -14.73, -11.03
CIE _{LCh}	83, 18.399, 216.828
Y _{xy}	63.0137, 0.2701, 0.3156
Android (android.graphics.Color)	4288928228 (0xFFA3D9E4)
YUV	202.1080, 12.7648, -34.2977
Hunter-Lab	79.3812, -17.6499, -6.2173

Details

The Yxy color **63.0137, 0.2701, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.4387, 0.3718, 0.3419**, and the grayscale version is **59.0771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **32.1090, 0.2594, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **58.8522, 0.2566, 0.3102**, and if you desaturate by 10%, it is **67.6609, 0.2845, 0.3207**.

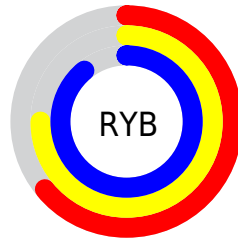
Distribution



Red (64%)

Green (85%)

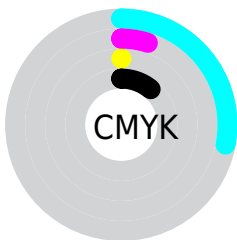
Blue (89%)



Red (64%)

Yellow (75%)

Blue (89%)

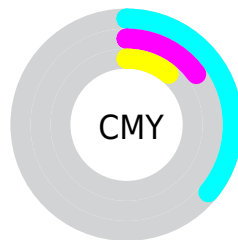


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (11%)



Cyan (36%)


Magenta (15%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0137, 0.2701, 0.3156 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 63.0137, 0.2701, 0.3156 by changing the saturation by 10% instead.


 63.0137, 0.2701,
0.3156

 63.0137, 0.2701,
0.3156


435.6192, 0.2900,
0.3223

 45.8523, 0.2655,
0.3140


 109.1893, 0.2771,
0.3180

 32.1293, 0.2598,
0.3119


 138.9722, 0.2798,
0.3189

 21.4603, 0.2525,
0.3091


173.7312, 0.2821,
0.3197

 13.4609, 0.2430,
0.3053

213.8505, 0.2841,
0.3204

 7.7467, 0.2299,
0.2998

259.7145, 0.2858,
0.3209

 3.9333, 0.2110,
0.2913

311.7077, 0.2874,

 1.6363, 0.1814,

0.3214

0.2762

370.2145, 0.2888,
0.3219

0.3819, 0.0022,
0.2402

0.0000, 0.0000,
0.0000

63.0137, 0.2701,
0.3156

63.0137, 0.2701,
0.3156

58.8522, 0.2566,
0.3102

67.6609, 0.2845,
0.3207

55.1451, 0.2444,
0.3045

72.8080, 0.2996,
0.3254

51.8691, 0.2337,
0.2985

78.4780, 0.3151,
0.3296

48.9956, 0.2249,
0.2924

84.6902, 0.3306,
0.3335

■ 46.4921, 0.2179,
0.2863

■ 87.0364, 0.3307,
0.3373

■ 44.3200, 0.2129,
0.2802

■ 89.2903, 0.3302,
0.3410

■ 42.4234, 0.2097,
0.2741

■ 91.5927, 0.3298,
0.3448

■ 42.1480, 0.2092,
0.2732

■ 93.9439, 0.3293,
0.3485

■ 96.3442, 0.3289,
0.3522

Harmonies

Analogous

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



63.0137, 0.2813, 0.3373



63.0137, 0.2701, 0.3156



63.0137, 0.2698, 0.2988

Triad

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



63.0137, 0.2701, 0.3156



63.0137, 0.3235, 0.3030



63.0137, 0.3451, 0.3687

Complementary

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



63.0137, 0.2701, 0.3156



49.4387, 0.3718, 0.3419

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.



63.0137, 0.3574, 0.3576



63.0137, 0.2701, 0.3156



63.0137, 0.3447, 0.3200

Square

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



63.0137, 0.2701, 0.3156



63.0137, 0.2999, 0.2924



63.0137, 0.3573, 0.3397



63.0137, 0.3243, 0.3689

Rectangle

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



63.0137, 0.2701, 0.3156



63.0137, 0.2758, 0.2923



63.0137, 0.3573, 0.3397



63.0137, 0.3504, 0.3660

Sweetspot

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



63.0162, 0.2701, 0.3156



93.4469, 0.2988, 0.3251



66.3323, 0.3024, 0.3973



19.7859, 0.2965, 0.3244



0.0000, 0.0000, 0.0000



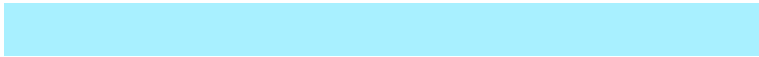
21.4041, 0.3127, 0.3290

Same Dimension

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



63.0162, 0.2701, 0.3156



78.0761, 0.2622, 0.3125



47.9689, 0.2658, 0.2748



15.8986, 0.2981, 0.3249



24.4896, 0.2095, 0.2742



1.9202, 0.2120, 0.2830

Inverse Universe

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



47.7183, 0.3253, 0.2694



55.6854, 0.3284, 0.2573



63.4542, 0.3618, 0.3778



14.5711, 0.3164, 0.3097



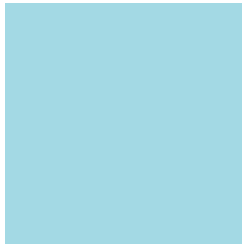
11.6700, 0.3689, 0.1806



0.8735, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 63.0137, 0.2701, 0.3156 looks on a white background.

Color Contrast Check

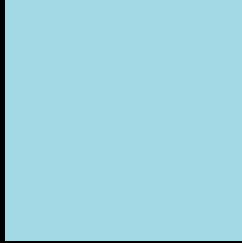
Large Text (above 18pt) WCAG AA × Fail

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 63.0137, 0.2701, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

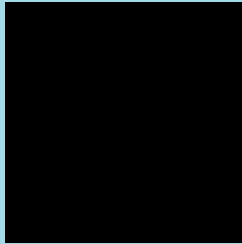
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

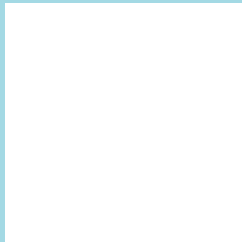
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.0137, 0.2701, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 63.0137, 0.2701, 0.3156.

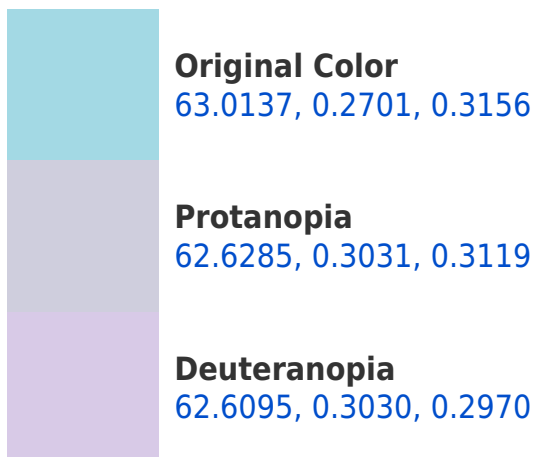


This preview shows how white text looks on a background with the Yxy color 63.0137, 0.2701, 0.3156.

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

62.8874, 0.2678, 0.3086

Trichromacy



Original Color

63.0137, 0.2701, 0.3156

Protanomaly

62.5514, 0.2898, 0.3126

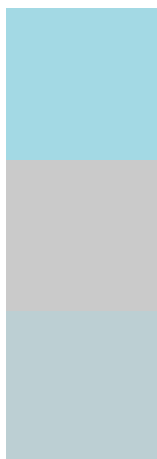
Deuteranomaly

62.2091, 0.2900, 0.3026

Tritanomaly

62.7738, 0.2689, 0.3109

Monochromacy



Original Color

63.0137, 0.2701, 0.3156

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.0202, 0.2960, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0137, 0.2701, 0.3156 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(163, 217, 228)` looks like.

```
.text, #text, p{  
    color:rgb(163, 217, 228)  
}
```

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(163, 217, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 217, 228) }
```

Border

The CSS property to change the border of an element to Yxy 63.0137, 0.2701, 0.3156 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(163, 217, 228) }
```

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

```
.border{ border-color:rgb(163, 217, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 217, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 217, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 217, 228);  
box-shadow:4px 4px 4px 4px rgb(163, 217,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0137, 0.2701, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 217, 228) }
```

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

```
.background{ background-color: rgb(163,  
217, 228) }
```

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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