

Converting Colors

$Yxy(63.6453, 0.2736, 0.3034)$

Have a look what the booklet for
Yxy(63.6453, 0.2736, 0.3034)
contains.

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Color

Yxy(63.4964, 0.2737, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	B1D6EC
RGB	177, 214, 236
RGB Percent	69%, 84%, 93%
CMY	0.3059, 0.1608, 0.0744
CMYK	0.25, 0.09, 0.00, 0.07
HSL	202°, 61%, 81%
HSV	202°, 25%, 93%
XYZ	57.3185, 63.4964, 88.6060
YIQ	205.4450, -29.1140, -1.0020

Conversions

Conversions Part 2

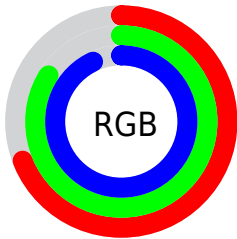
Format	Color
RYB	177, 200, 236
Decimal	11654892
CIELab	83.70, -7.32, -14.82
CIELCh	84, 16.532, 243.706
Yxy	63.4964, 0.2737, 0.3032
Android (android.graphics.Color)	4289844972 (0xFFB1D6EC)
YUV	205.4450, 15.0636, -24.9463
Hunter-Lab	79.6846, -11.0501, -10.1487

Details

The Yxy color **63.4964, 0.2737, 0.3032** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.8597, 0.3597, 0.3534**, and the grayscale version is **61.2654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **32.3025, 0.2643, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **56.6271, 0.2582, 0.2911**, and if you desaturate by 10%, it is **71.0909, 0.2894, 0.3143**.

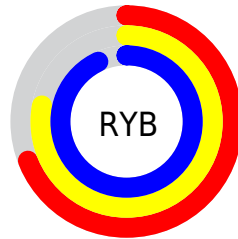
Distribution



Red (69%)

Green (84%)

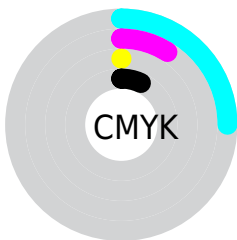
Blue (93%)



Red (69%)

Yellow (78%)

Blue (93%)

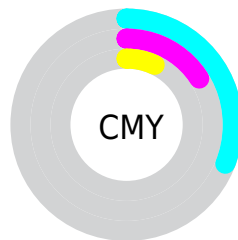


Cyan (25%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (16%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4964, 0.2737, 0.3032 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 63.4964, 0.2737, 0.3032 by changing the saturation by 10% instead.

■ 63.4964, 0.2737,
0.3032

■ 63.4964, 0.2737,
0.3032

437.3688, 0.2920,
0.3156

■ 46.2429, 0.2695,
0.3003

■ 109.8854, 0.2801,
0.3076

■ 32.4375, 0.2643,
0.2966

139.7896, 0.2825,
0.3093

■ 21.6959, 0.2576,
0.2919

174.6796, 0.2847,
0.3107

■ 13.6336, 0.2489,
0.2856

214.9396, 0.2865,
0.3119

■ 7.8663, 0.2370,
0.2767

260.9542, 0.2881,
0.3130

■ 4.0095, 0.2197,
0.2636

313.1076, 0.2895,

■ 1.6789, 0.1928,

0.3140

0.2421

371.7844, 0.2908,
0.3148

0.4099, 0.0958,
0.1862

0.0000, 0.0000,
0.0000

63.4964, 0.2737,
0.3032

63.4964, 0.2737,
0.3032

56.6271, 0.2582,
0.2911

71.0909, 0.2894,
0.3143

50.4469, 0.2434,
0.2781

79.4295, 0.3050,
0.3244

44.9276, 0.2296,
0.2644

88.5397, 0.3203,
0.3334

40.0356, 0.2171,
0.2501

95.2013, 0.3243,
0.3418

■ 35.7334, 0.2065,
0.2356

■ 98.8373, 0.3238,
0.3473

■ 31.9777, 0.1979,
0.2211

■ 28.7166, 0.1915,
0.2069

■ 27.2359, 0.1889,
0.1999

Harmonies

Analogous

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



63.4964, 0.2750, 0.3190



63.4964, 0.2737, 0.3032



63.4964, 0.2824, 0.2949

Triad

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



63.4964, 0.2737, 0.3032



63.4964, 0.3397, 0.3192



63.4964, 0.3253, 0.3651

Complementary

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



63.4964, 0.2737, 0.3032



61.8597, 0.3597, 0.3534

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.



63.4964, 0.3433, 0.3639



63.4964, 0.2737, 0.3032



63.4964, 0.3519, 0.3369

Square

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



63.4964, 0.2737, 0.3032



63.4964, 0.3202, 0.3043



63.4964, 0.3532, 0.3533



63.4964, 0.3043, 0.3557

Rectangle

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



63.4964, 0.2737, 0.3032



63.4964, 0.2929, 0.2943



63.4964, 0.3532, 0.3533



63.4964, 0.3319, 0.3659

Sweetspot

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



63.4990, 0.2737, 0.3032



91.5756, 0.3003, 0.3214



73.4549, 0.2968, 0.3733



19.2760, 0.2979, 0.3199



0.0000, 0.0000, 0.0000



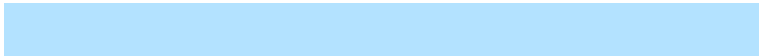
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4990, 0.2737, 0.3032



71.3925, 0.2657, 0.2971



50.0433, 0.2705, 0.2676



16.1229, 0.2981, 0.3200



15.2665, 0.1895, 0.2022



1.3822, 0.1949, 0.2217

Inverse Universe

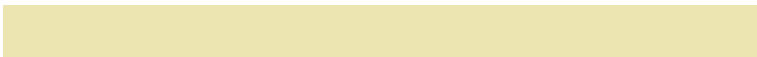
The Inverse Universe completely reimagines the original color for something new.



54.1322, 0.3333, 0.2889



58.8169, 0.3387, 0.2804



76.5792, 0.3524, 0.3837



15.2130, 0.3195, 0.3143



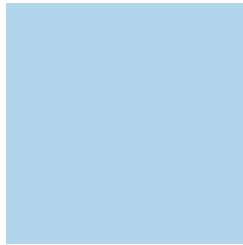
11.0340, 0.4428, 0.2213



0.8850, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 63.4964, 0.2737, 0.3032 looks on a white background.

Color Contrast Check

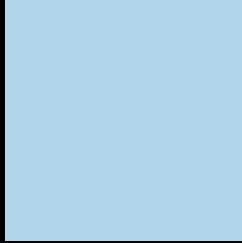
Large Text (above 18pt) WCAG AA × Fail

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 63.4964, 0.2737, 0.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

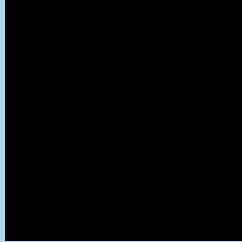
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

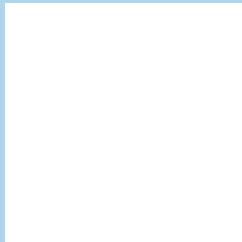
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4964, 0.2737, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 63.4964, 0.2737, 0.3032.



This preview shows how white text looks on a background with the Yxy color 63.4964, 0.2737, 0.3032.

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

63.4964, 0.2737, 0.3032

Protanopia

63.3743, 0.2950, 0.3020

Deuteranopia

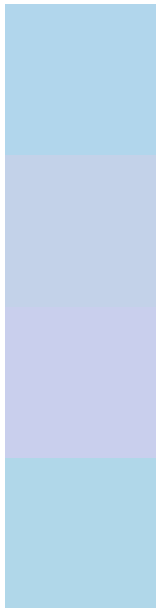
63.1811, 0.2968, 0.2906



Tritanopia

63.6572, 0.2755, 0.3089

Trichromacy



Original Color

63.4964, 0.2737, 0.3032

Protanomaly

63.5785, 0.2869, 0.3027

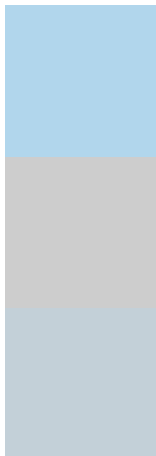
Deuteranomaly

63.1576, 0.2884, 0.2953

Tritanomaly

63.7142, 0.2749, 0.3078

Monochromacy



Original Color

63.4964, 0.2737, 0.3032

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6717, 0.2977, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4964, 0.2737, 0.3032 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(177, 214, 236)` looks like.

```
.text, #text, p{  
    color:rgb(177, 214, 236)  
}
```

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(177, 214, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 214, 236) }
```

Border

The CSS property to change the border of an element to Yxy 63.4964, 0.2737, 0.3032 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(177, 214, 236) }
```

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

```
.border{ border-color:rgb(177, 214, 236) }
```

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

Here you see how a box with a 4 pixel rgb(177, 214, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 214, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 214, 236);  
box-shadow:4px 4px 4px 4px rgb(177, 214,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4964, 0.2737, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 214, 236) }
```

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

```
.background{ background-color: rgb(177,  
214, 236) }
```

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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