

Converting Colors

$Yxy(63.0921, 0.2739, 0.3199)$

Have a look what the booklet for
Yxy(63.0921, 0.2739, 0.3199)
contains.

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Color

Yxy(63.1145, 0.2741, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	A6D9E0
RGB	166, 217, 224
RGB Percent	65%, 85%, 88%
CMY	0.3491, 0.1490, 0.1214
CMYK	0.26, 0.03, 0.00, 0.12
HSL	187°, 48%, 76%
HSV	187°, 26%, 88%
XYZ	53.9940, 63.1145, 79.8781
YIQ	202.5490, -32.6430, -8.6350

Conversions

Conversions Part 2

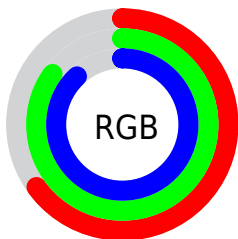
Format	Color
RYB	166, 193, 224
Decimal	10934752
CIELab	83.50, -14.79, -8.82
CIElCh	84, 17.222, 210.818
Yxy	63.1145, 0.2741, 0.3204
Android (android.graphics.Color)	4289124832 (0xFFA6D9E0)
YUV	202.5490, 10.5753, -32.0535
Hunter-Lab	79.4446, -17.7118, -4.0022

Details

The Yxy color **63.1145, 0.2741, 0.3204** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4971, 0.3658, 0.3374**, and the grayscale version is **59.3722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.1500, 0.2643, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **59.5167, 0.2607, 0.3166**, and if you desaturate by 10%, it is **67.1620, 0.2885, 0.3239**.

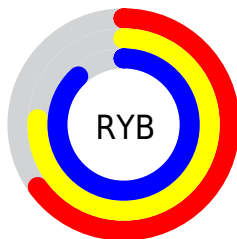
Distribution



Red (65%)

Green (85%)

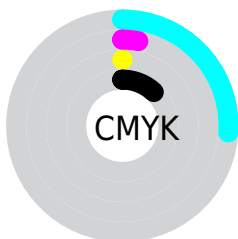
Blue (88%)



Red (65%)

Yellow (76%)

Blue (88%)

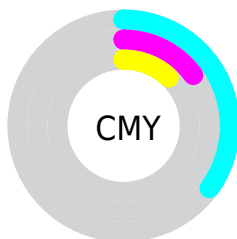


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (12%)



Cyan (35%)


Magenta (15%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1145, 0.2741, 0.3204 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 63.1145, 0.2741, 0.3204 by changing the saturation by 10% instead.


 63.1145, 0.2741,
0.3204


 63.1145, 0.2741,
0.3204


435.9849, 0.2922,
0.3248

 45.9338, 0.2699,
0.3193


 109.3347, 0.2804,
0.3220

 32.1936, 0.2647,
0.3179


 139.1430, 0.2829,
0.3226

 21.5094, 0.2581,
0.3161


173.9293, 0.2850,
0.3231

 13.4969, 0.2493,
0.3135

214.0781, 0.2868,
0.3235

 7.7716, 0.2373,
0.3097

259.9736, 0.2884,
0.3239

 3.9491, 0.2198,
0.3037

312.0003, 0.2898,

 1.6452, 0.1921,

0.3242

0.2928

370.5426, 0.2911,
0.3245

0.3878, 0.0052,
0.2700

0.0000, 0.0000,
0.0000

63.1145, 0.2741,
0.3204

63.1145, 0.2741,
0.3204

59.5167, 0.2607,
0.3166

67.1620, 0.2885,
0.3239

56.3391, 0.2487,
0.3126

71.6721, 0.3036,
0.3272

53.5602, 0.2382,
0.3085

76.6663, 0.3191,
0.3302

51.1536, 0.2295,
0.3043

82.0487, 0.3343,
0.3329

■ 49.0894, 0.2227,
0.3000

■ 83.5513, 0.3340,
0.3356

■ 47.3327, 0.2179,
0.2958

■ 85.0774, 0.3336,
0.3382

■ 45.8406, 0.2148,
0.2916

■ 86.6270, 0.3333,
0.3409

■ 45.2760, 0.2139,
0.2899

■ 88.2004, 0.3329,
0.3435

■ 89.7976, 0.3326,
0.3462

Harmonies

Analogous

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



63.1145, 0.2865, 0.3408



63.1145, 0.2741, 0.3204



63.1145, 0.2717, 0.3033

Triad

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



63.1145, 0.2741, 0.3204



63.1145, 0.3184, 0.3021



63.1145, 0.3461, 0.3647

Complementary

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



63.1145, 0.2741, 0.3204



48.4971, 0.3658, 0.3374

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.



63.1145, 0.3554, 0.3528



63.1145, 0.2741, 0.3204



63.1145, 0.3392, 0.3171

Square

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



63.1145, 0.2741, 0.3204



63.1145, 0.2967, 0.2936



63.1145, 0.3529, 0.3354



63.1145, 0.3279, 0.3671

Rectangle

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



63.1145, 0.2741, 0.3204



63.1145, 0.2760, 0.2960



63.1145, 0.3529, 0.3354



63.1145, 0.3504, 0.3617

Sweetspot

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



63.1170, 0.2741, 0.3204



94.7687, 0.3003, 0.3265



64.4411, 0.3051, 0.3940



20.0839, 0.2980, 0.3260



0.0000, 0.0000, 0.0000



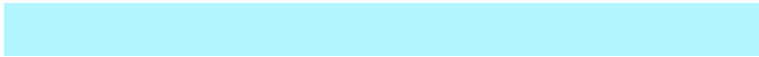
21.4041, 0.3127, 0.3290

Same Dimension

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



63.1170, 0.2741, 0.3204



82.0103, 0.2668, 0.3184



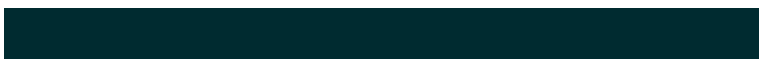
49.5570, 0.2707, 0.2842



15.2743, 0.2982, 0.3261



26.4595, 0.2140, 0.2905



1.9149, 0.2158, 0.2970

Inverse Universe

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



48.1300, 0.3216, 0.2720



58.9100, 0.3237, 0.2601



60.7430, 0.3576, 0.3701



13.9056, 0.3156, 0.3086



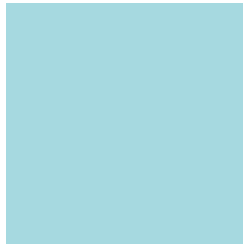
11.5791, 0.3539, 0.1723



0.8108, 0.3481, 0.1691

Previews

White Background



This preview shows how the Yxy color 63.1145, 0.2741, 0.3204 looks on a white background.

Color Contrast Check

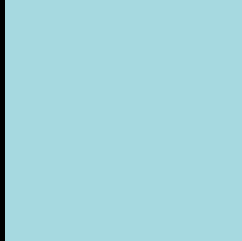
Large Text (above 18pt) WCAG AA × Fail

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 63.1145, 0.2741, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

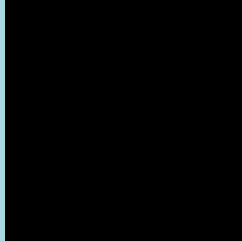
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

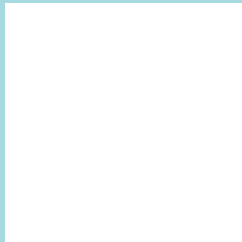
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1145, 0.2741, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 63.1145, 0.2741, 0.3204.

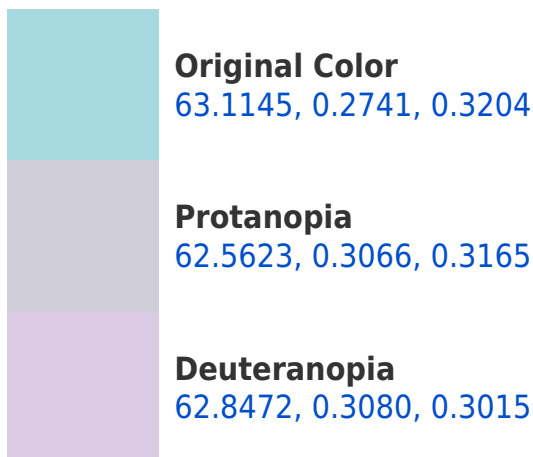


This preview shows how white text looks on a background with the Yxy color 63.1145, 0.2741, 0.3204.

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

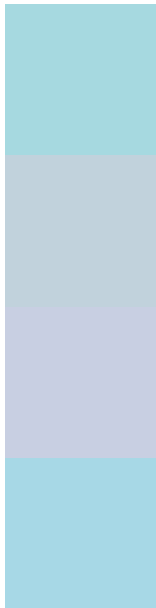




Tritanopia

63.3198, 0.2701, 0.3087

Trichromacy



Original Color

63.1145, 0.2741, 0.3204

Protanomaly

62.5980, 0.2938, 0.3173

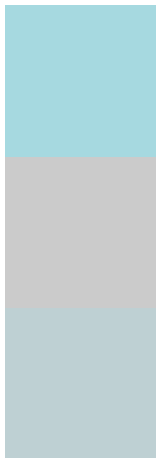
Deuteranomaly

62.3960, 0.2947, 0.3072

Tritanomaly

63.0404, 0.2712, 0.3121

Monochromacy



Original Color

63.1145, 0.2741, 0.3204

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.7620, 0.2975, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1145, 0.2741, 0.3204 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(166, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(166, 217, 224)  
}
```

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(166, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 217, 224) }
```

Border

The CSS property to change the border of an element to Yxy 63.1145, 0.2741, 0.3204 is called "border". The border property can be set on classes, ids or directly on the HTML element.

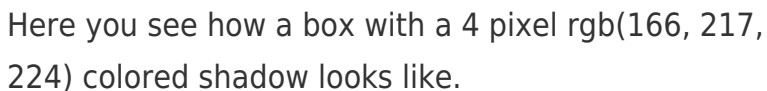
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 217, 224) }
```

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

```
.border{ border-color:rgb(166, 217, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(166, 217,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1145, 0.2741, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 217, 224) }
```

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

```
.background{ background-color: rgb(166,  
217, 224) }
```

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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