

Converting Colors

Yxy(63.6442, 0.2562, 0.3165)

Have a look what the booklet for
Yxy(63.6442, 0.2562, 0.3165)
contains.

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Color

Yxy(63.6442, 0.2562, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	8CDEE8
RGB	140, 222, 232
RGB Percent	55%, 87%, 91%
CMY	0.4505, 0.1295, 0.0901
CMYK	0.40, 0.04, 0.00, 0.09
HSL	187°, 67%, 73%
HSV	187°, 40%, 91%
XYZ	51.5186, 63.6442, 85.9247
YIQ	198.6220, -52.0820, -14.2740

Conversions

Conversions Part 2

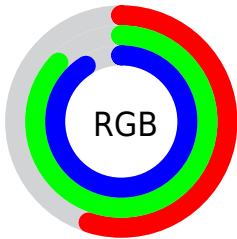
Format	Color
RYB	140, 183, 232
Decimal	9232104
CIELab	83.78, -22.41, -12.79
CIELCh	84, 25.804, 209.701
Yxy	63.6442, 0.2562, 0.3165
Android (android.graphics.Color)	4287422184 (0xFF8CDEE8)
YUV	198.6220, 16.4554, -51.4115
Hunter-Lab	79.7773, -24.3385, -8.0146

Details

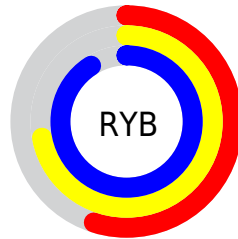
The Yxy color **63.6442, 0.2562, 0.3165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9186, 0.4078, 0.3408**, and the grayscale version is **56.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **32.6568, 0.2434, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **60.5014, 0.2448, 0.3129**, and if you desaturate by 10%, it is **67.2372, 0.2690, 0.3200**.

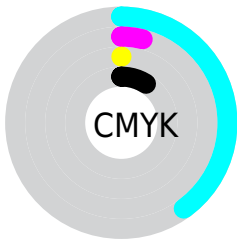
Distribution



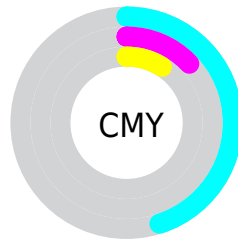
- Red (55%)
- Green (87%)
- Blue (91%)



- Red (55%)
- Yellow (72%)
- Blue (91%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (45%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6442, 0.2562, 0.3165 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 63.6442, 0.2562, 0.3165 by changing the saturation by 10% instead.


 63.6442, 0.2562,
0.3165

 63.6442, 0.2562,
0.3165


437.9037, 0.2825,
0.3230

 46.3626, 0.2502,
0.3148


 110.0984, 0.2653,
0.3189

 32.5320, 0.2428,
0.3127


 140.0397, 0.2689,
0.3198

 21.7682, 0.2334,
0.3098


174.9697, 0.2719,
0.3205

 13.6867, 0.2212,
0.3058

215.2727, 0.2746,
0.3212

 7.9031, 0.2047,
0.2999

261.3333, 0.2769,
0.3217

 4.0330, 0.1814,
0.2905

313.5357, 0.2790,

 1.6920, 0.1462,

0.3222

0.2735

372.2643, 0.2808,
0.3226

0.4185, 0.0000,
0.2297

0.0000, 0.0000,
0.0000

63.6442, 0.2562,
0.3165

63.6442, 0.2562,
0.3165

60.5014, 0.2448,
0.3129

67.2372, 0.2690,
0.3200

57.7744, 0.2351,
0.3091

71.2977, 0.2831,
0.3233

55.4355, 0.2273,
0.3053

75.8508, 0.2979,
0.3263

53.4505, 0.2214,
0.3014

80.9179, 0.3133,
0.3291

■ 51.7786, 0.2174,
0.2976

■ 86.3036, 0.3282,
0.3316

■ 50.3531, 0.2150,
0.2939

■ 87.7619, 0.3280,
0.3341

■ 50.2990, 0.2149,
0.2938

■ 89.2408, 0.3277,
0.3366

■ 90.7406, 0.3274,
0.3391

■ 92.2613, 0.3272,
0.3415

Harmonies

Analogous

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



63.6442, 0.2745, 0.3477



63.6442, 0.2562, 0.3165



63.6442, 0.2523, 0.2911

Triad

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



63.6442, 0.2562, 0.3165



63.6442, 0.3195, 0.2889



63.6442, 0.3631, 0.3817

Complementary

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



63.6442, 0.2562, 0.3165



40.9186, 0.4078, 0.3408

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.



63.6442, 0.3769, 0.3626



63.6442, 0.2562, 0.3165



63.6442, 0.3512, 0.3102

Square

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



63.6442, 0.2562, 0.3165



63.6442, 0.2875, 0.2770



63.6442, 0.3726, 0.3366



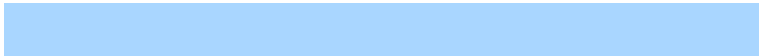
63.6442, 0.3359, 0.3869

Rectangle

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



63.6442, 0.2562, 0.3165



63.6442, 0.2581, 0.2804



63.6442, 0.3726, 0.3366



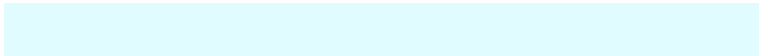
63.6442, 0.3695, 0.3765

Sweetspot

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



63.6467, 0.2562, 0.3165



92.5379, 0.2942, 0.3256



65.4888, 0.3021, 0.4382



19.6451, 0.2922, 0.3252



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.



63.6467, 0.2562, 0.3165



75.4611, 0.2463, 0.3134



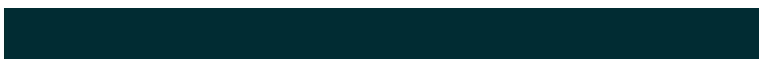
42.8104, 0.2471, 0.2573



16.0534, 0.2982, 0.3264



28.0339, 0.2151, 0.2944



2.1489, 0.2166, 0.2999

Inverse Universe

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



41.2238, 0.3263, 0.2408



44.3146, 0.3299, 0.2230



58.2023, 0.3869, 0.3910



14.5867, 0.3155, 0.3083



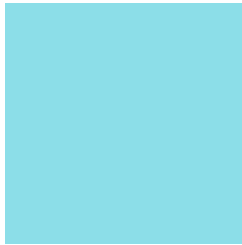
12.0278, 0.3504, 0.1704



0.8966, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 63.6442, 0.2562, 0.3165 looks on a white background.

Color Contrast Check

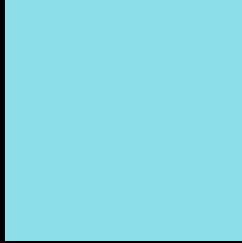
Large Text (above 18pt) WCAG AA × Fail

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 63.6442, 0.2562, 0.3165 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 63.6442, 0.2562, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 63.6442, 0.2562, 0.3165.

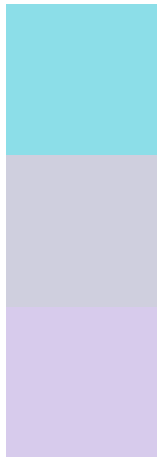


This preview shows how white text looks on a background with the Yxy color 63.6442, 0.2562, 0.3165.

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

63.6442, 0.2562, 0.3165

Protanopia

63.1650, 0.3024, 0.3120

Deuteranopia

63.2151, 0.2989, 0.2928



Tritanopia

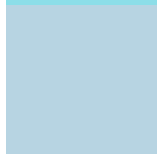
63.6957, 0.2535, 0.3070

Trichromacy



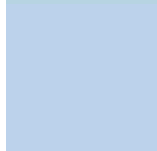
Original Color

63.6442, 0.2562, 0.3165



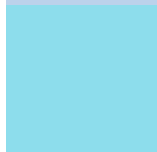
Protanomaly

62.6452, 0.2833, 0.3125



Deuteranomaly

62.7827, 0.2810, 0.3001



Tritanomaly

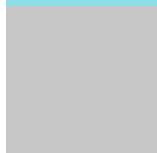
63.4318, 0.2545, 0.3105

Monochromacy



Original Color

63.6442, 0.2562, 0.3165



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.7938, 0.2890, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6442, 0.2562, 0.3165 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(140, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(140, 222, 232)  
}
```

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(140, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 63.6442, 0.2562, 0.3165 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(140, 222, 232) }
```

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

```
.border{ border-color:rgb(140, 222, 232) }
```

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

Here you see how a box with a 4 pixel rgb(140, 222, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(140, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6442, 0.2562, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 222, 232) }
```

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

```
.background{ background-color: rgb(140,  
222, 232) }
```

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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