

Converting Colors

$Yxy(63.3351, 0.2700, 0.3261)$

Have a look what the booklet for
Yxy(63.3351, 0.2700, 0.3261)
contains.

Yxy(63.5282, 0.2697, 0.3264)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.5282, 0.2697, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	9CDCDE
RGB	156, 220, 222
RGB Percent	61%, 86%, 87%
CMY	0.3881, 0.1373, 0.1294
CMYK	0.30, 0.01, 0.00, 0.13
HSL	182°, 50%, 74%
HSV	182°, 30%, 87%
XYZ	52.4925, 63.5282, 78.6123
YIQ	201.0920, -38.7860, -12.9460

Conversions

Conversions Part 2

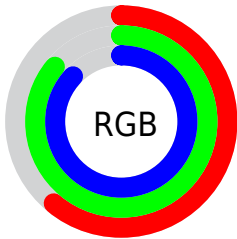
Format	Color
R _{YB}	156, 188, 222
Decimal	10280158
CIE _{Lab}	83.72, -19.60, -7.49
CIE _{LCh}	84, 20.982, 200.916
Y _{xy}	63.5282, 0.2697, 0.3264
Android (android.graphics.Color)	4288470238 (0xFF9CDCDE)
Y _{UV}	201.0920, 10.3076, -39.5457
Hunter-Lab	79.7046, -21.9250, -2.6842

Details

The Yxy color **63.5282, 0.2697, 0.3264** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.3998, 0.3783, 0.3316**, and the grayscale version is **58.4259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **32.5251, 0.2593, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **61.1589, 0.2576, 0.3254**, and if you desaturate by 10%, it is **66.3088, 0.2832, 0.3273**.

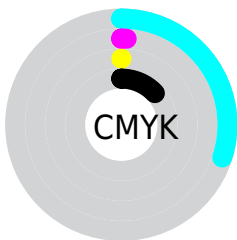
Distribution



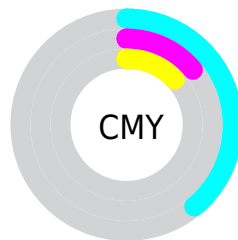
- Red (61%)
- Green (86%)
- Blue (87%)



- Red (61%)
- Yellow (74%)
- Blue (87%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)





- Cyan (39%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5282, 0.2697, 0.3264 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 63.5282, 0.2697, 0.3264 by changing the saturation by 10% instead.


 63.5282, 0.2697,
0.3264

 63.5282, 0.2697,
0.3264


437.4839, 0.2898,
0.3280

 46.2687, 0.2650,
0.3260


 109.9312, 0.2767,
0.3270

 32.4579, 0.2593,
0.3253


 139.8434, 0.2795,
0.3272

 21.7115, 0.2519,
0.3245


174.7420, 0.2818,
0.3274

 13.6450, 0.2423,
0.3232

215.0113, 0.2838,
0.3276

 7.8742, 0.2290,
0.3213

261.0358, 0.2856,
0.3277

 4.0146, 0.2097,
0.3178

313.1997, 0.2872,

 1.6817, 0.1795,

0.3278

0.3108

371.8877, 0.2886,
0.3279

0.4118, 0.0000,
0.2976

0.0000, 0.0000,
0.0000

63.5282, 0.2697,
0.3264

63.5282, 0.2697,
0.3264

61.1589, 0.2576,
0.3254

66.3088, 0.2832,
0.3273

59.1713, 0.2470,
0.3244

69.5136, 0.2978,
0.3282

57.5436, 0.2383,
0.3234

73.1640, 0.3131,
0.3290

56.2490, 0.2315,
0.3223

77.2779, 0.3290,
0.3298

■ 55.2567, 0.2267,
0.3213

■ 79.5188, 0.3363,
0.3304

■ 54.5303, 0.2236,
0.3203

■ 79.8828, 0.3362,
0.3311

■ 54.0077, 0.2221,
0.3193

■ 80.2483, 0.3361,
0.3318

■ 53.9942, 0.2220,
0.3193

■ 80.6152, 0.3360,
0.3325

■ 80.9836, 0.3359,
0.3332

Harmonies

Analogous

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



63.5282, 0.2879, 0.3513



63.5282, 0.2697, 0.3264



63.5282, 0.2627, 0.3036

Triad

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



63.5282, 0.2697, 0.3264



63.5282, 0.3105, 0.2922



63.5282, 0.3585, 0.3686

Complementary

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



63.5282, 0.2697, 0.3264



42.3998, 0.3783, 0.3316

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.



63.5282, 0.3654, 0.3510



63.5282, 0.2697, 0.3264



63.5282, 0.3371, 0.3079

Square

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



63.5282, 0.2697, 0.3264



63.5282, 0.2855, 0.2852



63.5282, 0.3575, 0.3290



63.5282, 0.3391, 0.3761

Rectangle

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



63.5282, 0.2697, 0.3264



63.5282, 0.2651, 0.2927



63.5282, 0.3575, 0.3290



63.5282, 0.3624, 0.3636

Sweetspot

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



63.5307, 0.2697, 0.3264



95.4577, 0.2988, 0.3283



61.7592, 0.3080, 0.4141



20.2849, 0.2966, 0.3281



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.



63.5307, 0.2697, 0.3264



84.7714, 0.2616, 0.3258



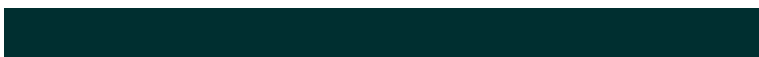
48.2766, 0.2651, 0.2853



15.4967, 0.2982, 0.3282



32.0981, 0.2221, 0.3194



2.2478, 0.2225, 0.3210

Inverse Universe

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



44.4836, 0.3179, 0.2574



54.5661, 0.3191, 0.2419



54.8113, 0.3674, 0.3690



13.9280, 0.3143, 0.3066



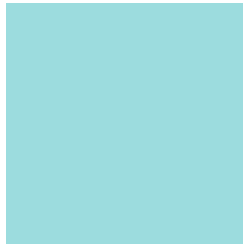
12.1484, 0.3287, 0.1584



0.8444, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 63.5282, 0.2697, 0.3264 looks on a white background.

Color Contrast Check

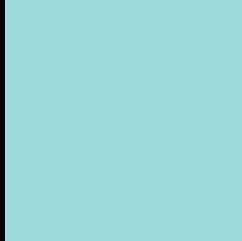
Large Text (above 18pt) WCAG AA × Fail

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 63.5282, 0.2697, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

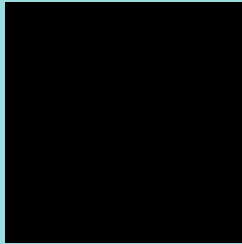
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5282, 0.2697, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 63.5282, 0.2697, 0.3264.

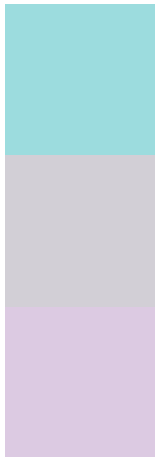


This preview shows how white text looks on a background with the Yxy color 63.5282, 0.2697, 0.3264.

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

63.5282, 0.2697, 0.3264

Protanopia

63.1823, 0.3101, 0.3210

Deuteranopia

62.9477, 0.3094, 0.3026



Tritanopia

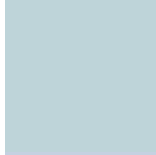
63.5119, 0.2641, 0.3085

Trichromacy



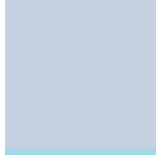
Original Color

63.5282, 0.2697, 0.3264



Protanomaly

63.0439, 0.2936, 0.3231



Deuteranomaly

62.9075, 0.2933, 0.3105



Tritanomaly

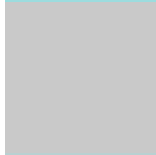
63.6453, 0.2663, 0.3156

Monochromacy



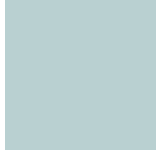
Original Color

63.5282, 0.2697, 0.3264



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.0295, 0.2952, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5282, 0.2697, 0.3264 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(156, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(156, 220, 222)  
}
```

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(156, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 220, 222) }
```

Border

The CSS property to change the border of an element to Yxy 63.5282, 0.2697, 0.3264 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(156, 220, 222) }
```

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

```
.border{ border-color:rgb(156, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 220, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 220, 222);  
box-shadow:4px 4px 4px 4px rgb(156, 220,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5282, 0.2697, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 220, 222) }
```

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

```
.background{ background-color: rgb(156,  
220, 222) }
```

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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