

Converting Colors

$Yxy(63.0077, 0.2664, 0.3344)$

Have a look what the booklet for
Yxy(63.0077, 0.2664, 0.3344)
contains.

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Color

Yxy(63.2720, 0.2665, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	91DED9
RGB	145, 222, 217
RGB Percent	57%, 87%, 85%
CMY	0.4315, 0.1294, 0.1489
CMYK	0.35, 0.00, 0.02, 0.13
HSL	176°, 54%, 72%
HSV	176°, 35%, 87%
XYZ	50.3193, 63.2720, 75.2240
YIQ	198.4070, -44.2870, -17.8790

Conversions

Conversions Part 2

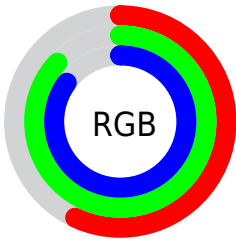
Format	Color
RYB	145, 185, 222
Decimal	9559769
CIELab	83.59, -24.76, -5.11
CIELCh	84, 25.283, 191.652
Yxy	63.2720, 0.2665, 0.3351
Android (android.graphics.Color)	4287749849 (0xFF91DED9)
YUV	198.4070, 9.1663, -46.8379
Hunter-Lab	79.5437, -26.2825, -0.3896

Details

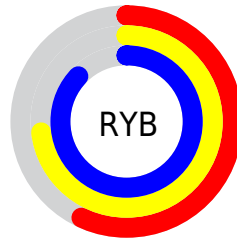
The Yxy color **63.2720, 0.2665, 0.3351** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.9686, 0.3895, 0.3232**, and the grayscale version is **56.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **32.4197, 0.2555, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **61.3773, 0.2560, 0.3371**, and if you desaturate by 10%, it is **65.5664, 0.2785, 0.3332**.

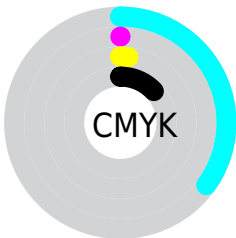
Distribution



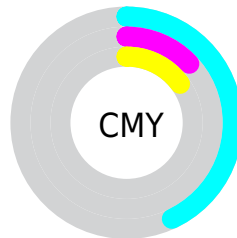
- Red (57%)
- Green (87%)
- Blue (85%)



- Red (57%)
- Yellow (73%)
- Blue (87%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (43%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2720, 0.2665, 0.3351 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 63.2720, 0.2665, 0.3351 by changing the saturation by 10% instead.


 63.2720, 0.2665,
0.3351


 63.2720, 0.2665,
0.3351

436.5560, 0.2882,
0.3325

 46.0613, 0.2615,
0.3356


 109.5618, 0.2741,
0.3343

 32.2942, 0.2552,
0.3362


 139.4097, 0.2770,
0.3339

 21.5863, 0.2473,
0.3369


174.2388, 0.2795,
0.3336

 13.5532, 0.2368,
0.3378

214.4335, 0.2817,
0.3333

 7.8106, 0.2225,
0.3387

260.3782, 0.2836,
0.3331

 3.9740, 0.2016,
0.3395

312.4572, 0.2853,

 1.6590, 0.1687,

0.3329

371.0550, 0.2868,
0.3327

0.3393

0.3969, 0.0000,
0.3346

0.0000, 0.0000,
0.0000

63.2720, 0.2665,
0.3351

63.2720, 0.2665,
0.3351

61.3773, 0.2560,
0.3371

65.5664, 0.2785,
0.3332

59.8517, 0.2471,
0.3392


68.2742, 0.2917,
0.3314


58.6722, 0.2401,
0.3414


71.4174, 0.3058,
0.3297


57.8102, 0.2351,
0.3436

75.0147, 0.3206,
0.3282

 57.2325, 0.2320,
0.3458


 78.9005, 0.3349,
0.3269


 56.8985, 0.2306,
0.3479

 78.9788, 0.3339,
0.3254

 56.7847, 0.2303,
0.3490

 79.0578, 0.3329,
0.3240

 79.1374, 0.3320,
0.3226

 79.2177, 0.3310,
0.3212

Harmonies

Analogous

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



63.2720, 0.2915, 0.3644



63.2720, 0.2665, 0.3351



63.2720, 0.2539, 0.3057

Triad

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



63.2720, 0.2665, 0.3351



63.2720, 0.2999, 0.2812



63.2720, 0.3723, 0.3707

Complementary

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



63.2720, 0.2665, 0.3351



37.9686, 0.3895, 0.3232

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.



63.2720, 0.3754, 0.3471



63.2720, 0.2665, 0.3351



63.2720, 0.3324, 0.2971

Square

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



63.2720, 0.2665, 0.3351



63.2720, 0.2723, 0.2766



63.2720, 0.3606, 0.3206



63.2720, 0.3528, 0.3847

Rectangle

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



63.2720, 0.2665, 0.3351



63.2720, 0.2536, 0.2905



63.2720, 0.3606, 0.3206



63.2720, 0.3754, 0.3636

Sweetspot

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



63.2745, 0.2665, 0.3351



95.3746, 0.2982, 0.3306



60.7834, 0.3113, 0.4317



20.2857, 0.2962, 0.3308



0.0000, 0.0000, 0.0000



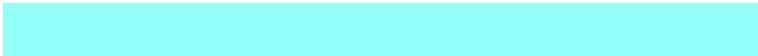
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2745, 0.2665, 0.3351



84.5886, 0.2583, 0.3366



47.5220, 0.2581, 0.2854



15.5563, 0.2991, 0.3305



33.7322, 0.2302, 0.3487



2.3428, 0.2293, 0.3454

Inverse Universe

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



37.9686, 0.3895, 0.3232



44.7691, 0.4152, 0.3220



49.5527, 0.3811, 0.3687



13.7148, 0.3282, 0.3275



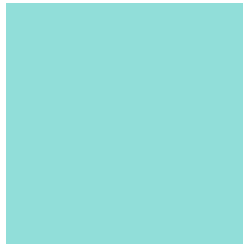
9.2493, 0.6329, 0.3260



0.6462, 0.6128, 0.3149

Previews

White Background



This preview shows how the Yxy color 63.2720, 0.2665, 0.3351 looks on a white background.

Color Contrast Check

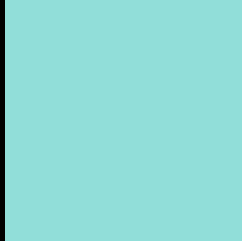
Large Text (above 18pt) WCAG AA × Fail

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 63.2720, 0.2665, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

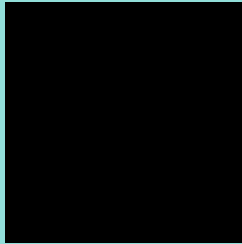
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

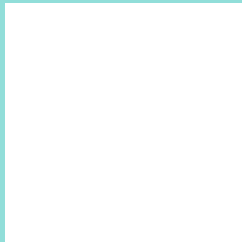
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2720, 0.2665, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 63.2720, 0.2665, 0.3351.

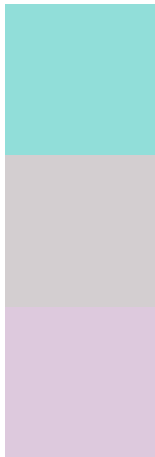


This preview shows how white text looks on a background with the Yxy color 63.2720, 0.2665, 0.3351.

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

63.2720, 0.2665, 0.3351

Protanopia

62.5456, 0.3151, 0.3267

Deuteranopia

62.3659, 0.3138, 0.3069



Tritanopia

63.2615, 0.2582, 0.3071

Trichromacy



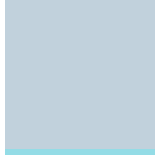
Original Color

63.2720, 0.2665, 0.3351



Protanomaly

62.3549, 0.2954, 0.3301



Deuteranomaly

62.1057, 0.2937, 0.3161



Tritanomaly

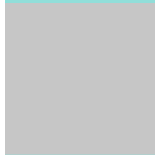
63.1955, 0.2610, 0.3166

Monochromacy



Original Color

63.2720, 0.2665, 0.3351



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.6171, 0.2936, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2720, 0.2665, 0.3351 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(145, 222, 217)` looks like.

```
.text, #text, p{  
    color:rgb(145, 222, 217)  
}
```

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(145, 222, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 222, 217) }
```

Border

The CSS property to change the border of an element to Yxy 63.2720, 0.2665, 0.3351 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(145, 222, 217) }
```

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

```
.border{ border-color:rgb(145, 222, 217) }
```

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

Here you see how a box with a 4 pixel rgb(145, 222, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 222, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 222, 217);  
box-shadow:4px 4px 4px 4px rgb(145, 222,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2720, 0.2665, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 222, 217) }
```

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

```
.background{ background-color: rgb(145,  
222, 217) }
```

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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