

Converting Colors

$Yxy(63.4712, 0.2627, 0.3397)$

Have a look what the booklet for
Yxy(63.4712, 0.2627, 0.3397)
contains.

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Color

Yxy(63.4518, 0.2632, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	88E0D7
RGB	136, 224, 215
RGB Percent	53%, 88%, 84%
CMY	0.4665, 0.1216, 0.1570
CMYK	0.39, 0.00, 0.04, 0.12
HSL	174°, 59%, 71%
HSV	174°, 39%, 88%
XYZ	49.0759, 63.4518, 73.9308
YIQ	196.6620, -49.5590, -21.4550

Conversions

Conversions Part 2

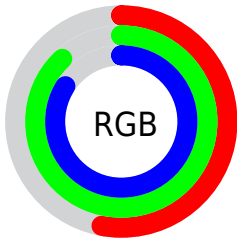
Format	Color
RYB	136, 182, 224
Decimal	8970455
CIELab	83.68, -28.53, -3.93
CIElCh	84, 28.797, 187.834
Yxy	63.4518, 0.2632, 0.3403
Android (android.graphics.Color)	4287160535 (0xFF88E0D7)
YUV	196.6620, 9.0406, -53.2006
Hunter-Lab	79.6566, -29.4266, 0.7315

Details

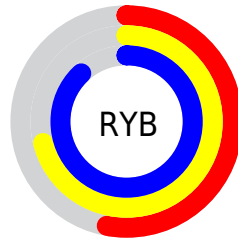
The Yxy color **63.4518, 0.2632, 0.3403** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.5131, 0.4006, 0.3185**, and the grayscale version is **55.5925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **32.2488, 0.2513, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **61.6527, 0.2537, 0.3437**, and if you desaturate by 10%, it is **65.6495, 0.2742, 0.3371**.

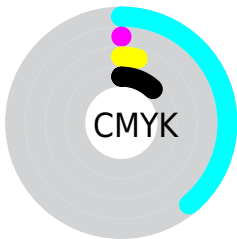
Distribution



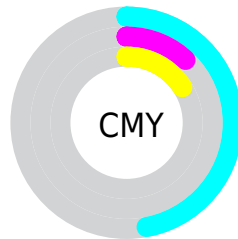
- Red (53%)
- Green (88%)
- Blue (84%)



- Red (53%)
- Yellow (71%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4518, 0.2632, 0.3403 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 63.4518, 0.2632, 0.3403 by changing the saturation by 10% instead.


 63.4518, 0.2632,
0.3403


 63.4518, 0.2632,
0.3403


437.2073, 0.2864,
0.3352


 46.2068, 0.2578,
0.3414


 109.8211, 0.2713,
0.3386

 32.4090, 0.2511,
0.3427


 139.7141, 0.2745,
0.3379

 21.6741, 0.2426,
0.3444


 174.5920, 0.2772,
0.3373

 13.6176, 0.2314,
0.3465

214.8391, 0.2795,
0.3368

 7.8552, 0.2161,
0.3491

260.8397, 0.2816,
0.3363

 4.0024, 0.1938,
0.3525

312.9784, 0.2834,

 1.6749, 0.1583,

0.3359

371.6395, 0.2850,
0.3356

0.3568

0.4073, 0.0000,
0.3620

0.0000, 0.0000,
0.0000

63.4518, 0.2632,
0.3403

63.4518, 0.2632,
0.3403

61.6527, 0.2537,
0.3437

65.6495, 0.2742,
0.3371

60.2200, 0.2460,
0.3471

68.2609, 0.2865,
0.3341

59.1290, 0.2401,
0.3507

71.3090, 0.2998,
0.3314

58.3483, 0.2362,
0.3542

74.8135, 0.3138,
0.3288

■ 57.8411, 0.2342,
0.3578

■ 78.7924, 0.3281,
0.3265

■ 57.5479, 0.2338,
0.3613

■ 80.2162, 0.3315,
0.3243

■ 57.5294, 0.2338,
0.3615

■ 80.3454, 0.3300,
0.3220

■ 80.4762, 0.3284,
0.3198

■ 80.6088, 0.3269,
0.3175

Harmonies

Analogous

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



63.4518, 0.2927, 0.3732



63.4518, 0.2632, 0.3403



63.4518, 0.2471, 0.3060

Triad

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



63.4518, 0.2632, 0.3403



63.4518, 0.2936, 0.2737



63.4518, 0.3821, 0.3730

Complementary

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



63.4518, 0.2632, 0.3403



35.5131, 0.4006, 0.3185

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.



63.4518, 0.3831, 0.3453



63.4518, 0.2632, 0.3403



63.4518, 0.3303, 0.2901

Square

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



63.4518, 0.2632, 0.3403



63.4518, 0.2638, 0.2701



63.4518, 0.3638, 0.3156



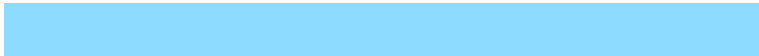
63.4518, 0.3617, 0.3912

Rectangle

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



63.4518, 0.2632, 0.3403



63.4518, 0.2454, 0.2879



63.4518, 0.3638, 0.3156



63.4518, 0.3848, 0.3644

Sweetspot

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



63.4543, 0.2632, 0.3403



94.4506, 0.2960, 0.3321



61.2293, 0.3137, 0.4466



20.0986, 0.2942, 0.3325



0.0000, 0.0000, 0.0000



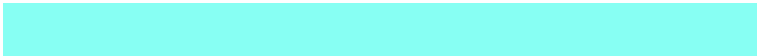
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4543, 0.2632, 0.3403



83.1361, 0.2554, 0.3430



47.5686, 0.2518, 0.2846



15.5468, 0.2996, 0.3314



33.4958, 0.2336, 0.3610



2.3288, 0.2321, 0.3555

Inverse Universe

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



35.5131, 0.4006, 0.3185



40.7507, 0.4290, 0.3166



46.2848, 0.3948, 0.3690



13.7233, 0.3276, 0.3266



9.2682, 0.6276, 0.3231



0.6503, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 63.4518, 0.2632, 0.3403 looks on a white background.

Color Contrast Check

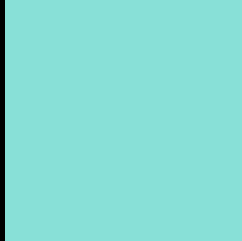
Large Text (above 18pt) WCAG AA × Fail

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 63.4518, 0.2632, 0.3403 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

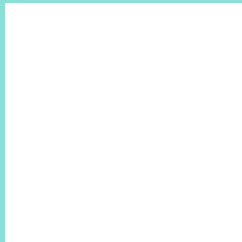
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4518, 0.2632, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 63.4518, 0.2632, 0.3403.

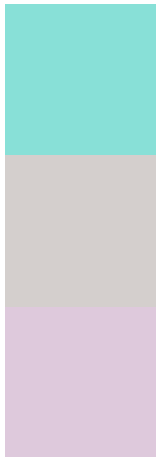


This preview shows how white text looks on a background with the Yxy color 63.4518, 0.2632, 0.3403.

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

63.4518, 0.2632, 0.3403

Protanopia

63.0305, 0.3179, 0.3313

Deuteranopia

62.4702, 0.3152, 0.3080



Tritanopia

63.1102, 0.2538, 0.3069

Trichromacy



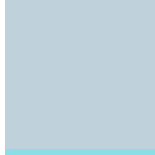
Original Color

63.4518, 0.2632, 0.3403



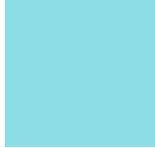
Protanomaly

62.3823, 0.2946, 0.3338



Deuteranomaly

61.7392, 0.2936, 0.3184



Tritanomaly

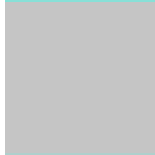
63.0015, 0.2570, 0.3177

Monochromacy



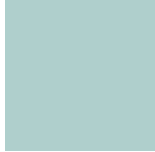
Original Color

63.4518, 0.2632, 0.3403



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.0992, 0.2914, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4518, 0.2632, 0.3403 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(136, 224, 215)` looks like.

```
.text, #text, p{  
    color:rgb(136, 224, 215)  
}
```

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(136, 224, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 224, 215) }
```

Border

The CSS property to change the border of an element to Yxy 63.4518, 0.2632, 0.3403 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(136, 224, 215) }
```

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

```
.border{ border-color:rgb(136, 224, 215) }
```

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

Here you see how a box with a 4 pixel rgb(136, 224, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 224, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 224, 215);  
box-shadow:4px 4px 4px 4px rgb(136, 224,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4518, 0.2632, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 224, 215) }
```

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

```
.background{ background-color: rgb(136,  
224, 215) }
```

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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