

Converting Colors

$Y_{xy}(63.4464, 0.2527, 0.3430)$

Have a look what the booklet for
Yxy(63.4464, 0.2527, 0.3430)
contains.

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Color

Yxy(63.4067, 0.2525, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	71E3D8
RGB	113, 227, 216
RGB Percent	44%, 89%, 85%
CMY	0.5572, 0.1097, 0.1530
CMYK	0.50, 0.00, 0.05, 0.11
HSL	174°, 67%, 67%
HSV	174°, 50%, 89%
XYZ	46.6633, 63.4067, 74.7353
YIQ	191.6600, -64.4130, -27.5890

Conversions

Conversions Part 2

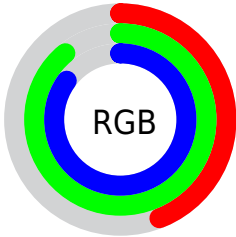
Format	Color
RYB	113, 173, 227
Decimal	7463896
CIELab	83.66, -35.11, -4.60
CIELCh	84, 35.410, 187.466
Yxy	63.4067, 0.2525, 0.3431
Android (android.graphics.Color)	4285653976 (0xFF71E3D8)
YUV	191.6600, 11.9996, -68.9848
Hunter-Lab	79.6283, -34.7460, 0.0931




Details

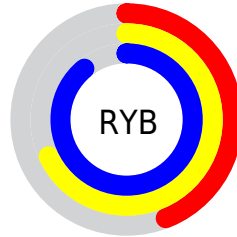
The Yxy color **63.4067, 0.2525, 0.3431** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.5777, 0.4414, 0.3168**, and the grayscale version is **52.4488, 0.3127, 0.3290**.




A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **32.3274, 0.2380, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **61.9758, 0.2449, 0.3464**, and if you desaturate by 10%, it is **65.2205, 0.2619, 0.3399**.

Distribution







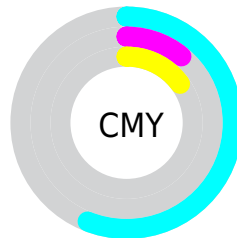
-  Red (44%)
-  Green (89%)
-  Blue (85%)






-  Red (44%)
-  Yellow (68%)
-  Blue (89%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (11%)




-  Cyan (56%)
-  Magenta (11%)
-  Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4067, 0.2525, 0.3431 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 63.4067, 0.2525, 0.3431 by changing the saturation by 10% instead.


 63.4067, 0.2525,
0.3431

 63.4067, 0.2525,
0.3431


437.0440, 0.2807,
0.3369


 46.1703, 0.2460,
0.3444


 109.7560, 0.2623,
0.3410

 32.3802, 0.2380,
0.3461


 139.6378, 0.2661,
0.3402

 21.6521, 0.2278,
0.3480


 174.5034, 0.2694,
0.3394

 13.6015, 0.2144,
0.3505

214.7374, 0.2722,
0.3388

 7.8440, 0.1963,
0.3535

260.7240, 0.2747,
0.3382

 3.9953, 0.1703,
0.3571

312.8477, 0.2769,

 1.6709, 0.1259,

0.3377

0.3627

371.4929, 0.2789,
0.3373

0.4047, 0.0000,
0.3468

0.0000, 0.0000,
0.0000

63.4067, 0.2525,
0.3431

63.4067, 0.2525,
0.3431

61.9758, 0.2449,
0.3464

65.2205, 0.2619,
0.3399

60.8917, 0.2392,
0.3497


67.4354, 0.2728,
0.3369


60.1242, 0.2355,
0.3530

70.0774, 0.2851,
0.3341

59.6342, 0.2336,
0.3564


73.1680, 0.2983,
0.3315


 59.3585, 0.2332,
0.3595

 76.7275, 0.3123,
0.3291

 80.7748, 0.3268,
0.3269

 81.9963, 0.3295,
0.3248

 82.1214, 0.3280,
0.3226

 82.2480, 0.3265,
0.3204

Harmonies

Analogous

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



63.4067, 0.2882, 0.3846



63.4067, 0.2525, 0.3431



63.4067, 0.2332, 0.3005

Triad

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



63.4067, 0.2525, 0.3431



63.4067, 0.2885, 0.2621



63.4067, 0.3981, 0.3815

Complementary

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



63.4067, 0.2525, 0.3431



29.5777, 0.4414, 0.3168

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.



63.4067, 0.3994, 0.3475



63.4067, 0.2525, 0.3431



63.4067, 0.3335, 0.2815

Square

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



63.4067, 0.2525, 0.3431



63.4067, 0.2527, 0.2575



63.4067, 0.3752, 0.3118



63.4067, 0.3728, 0.4051

Rectangle

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



63.4067, 0.2525, 0.3431



63.4067, 0.2311, 0.2785



63.4067, 0.3752, 0.3118



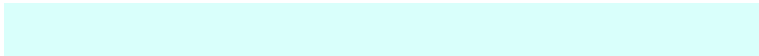
63.4067, 0.4014, 0.3708

Sweetspot

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



63.4092, 0.2525, 0.3431



93.2176, 0.2918, 0.3327



60.4465, 0.3118, 0.4856



19.7722, 0.2890, 0.3333



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.



63.4092, 0.2525, 0.3431



80.6486, 0.2448, 0.3464



42.2519, 0.2353, 0.2668



16.3111, 0.2994, 0.3313



34.6220, 0.2331, 0.3590



2.5655, 0.2317, 0.3542

Inverse Universe

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



29.5777, 0.4414, 0.3168



32.0421, 0.4842, 0.3154



42.1667, 0.4255, 0.3819



14.3905, 0.3277, 0.3268



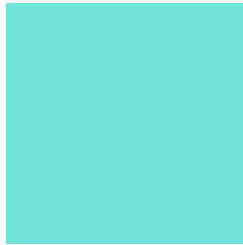
9.5655, 0.6287, 0.3237



0.7146, 0.6019, 0.3090

Previews

White Background



This preview shows how the Yxy color 63.4067, 0.2525, 0.3431 looks on a white background.

Color Contrast Check

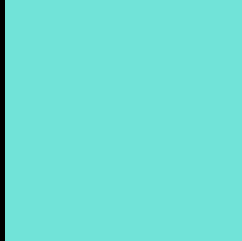
Large Text (above 18pt) WCAG AA × Fail

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 63.4067, 0.2525, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

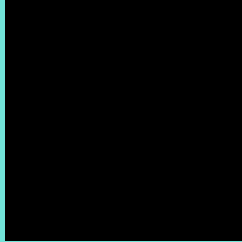
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

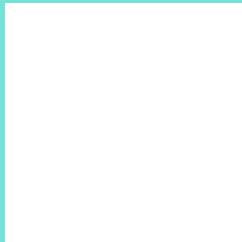
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4067, 0.2525, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 63.4067, 0.2525, 0.3431.

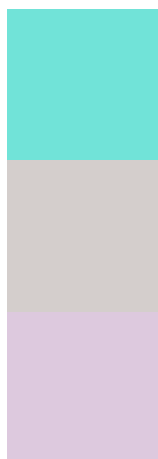


This preview shows how white text looks on a background with the Yxy color 63.4067, 0.2525, 0.3431.

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

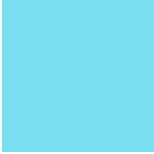
63.4067, 0.2525, 0.3431

Protanopia

62.4993, 0.3187, 0.3313

Deuteranopia

62.4194, 0.3130, 0.3058



Tritanopia

63.1912, 0.2433, 0.3066

Trichromacy



Original Color

63.4067, 0.2525, 0.3431



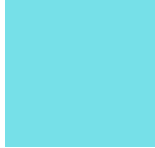
Protanomaly

61.8773, 0.2898, 0.3363



Deuteranomaly

61.2056, 0.2862, 0.3170



Tritanomaly

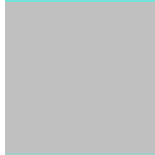
62.9891, 0.2464, 0.3187

Monochromacy



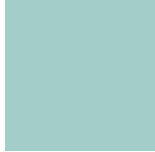
Original Color

63.4067, 0.2525, 0.3431



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.6662, 0.2849, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4067, 0.2525, 0.3431 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(113, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 216)  
}
```

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(113, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.4067, 0.2525, 0.3431 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(113, 227, 216) }
```

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

```
.border{ border-color:rgb(113, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(113, 227,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4067, 0.2525, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 216) }
```

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

```
.background{ background-color: rgb(113,  
227, 216) }
```

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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