

Converting Colors

$Yxy(63.6671, 0.2527, 0.3431)$

Have a look what the booklet for
Yxy(63.6671, 0.2527, 0.3431)
contains.

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Color

Yxy(63.4734, 0.2530, 0.3430)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 72E3D8 |
| RGB | 114, 227, 216 |
| RGB Percent | 45%, 89%, 85% |
| CMY | 0.5524, 0.1099, 0.1529 |
| CMYK | 0.50, 0.00, 0.05, 0.11 |
| HSL | 174°, 67%, 67% |
| HSV | 174°, 50%, 89% |
| XYZ | 46.8186, 63.4734, 74.7617 |
| YIQ | 191.9590, -63.8170, -27.3770 |

Conversions

Conversions Part 2

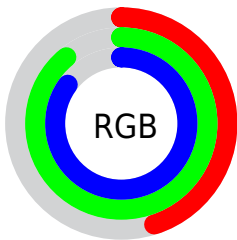
| Format | Color |
|-------------------------------------|---|
| RYB | 114, 173, 227 |
| Decimal | 7529432 |
| CIELab | 83.69, -34.82, -4.56 |
| CIELCh | 84, 35.121, 187.463 |
| Yxy | 63.4734, 0.2530, 0.3430 |
| Android (android.graphics.Color) | 4285719512 (0xFF72E3D8) |
| YUV | 191.9590, 11.8522, -68.3700 |
| Hunter-Lab | 79.6702, -34.5265, 0.1320 |

Details

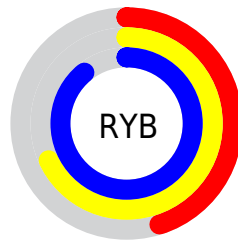
The Yxy color **63.4734, 0.2530, 0.3430** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.8793, 0.4391, 0.3168**, and the grayscale version is **52.6665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **32.3771, 0.2387, 0.3464** is the 20% darker color. If you saturate the color by 10%, you get **62.0223, 0.2453, 0.3463**, and if you desaturate by 10%, it is **65.3088, 0.2625, 0.3398**.

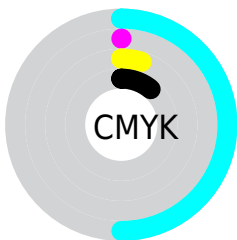
Distribution



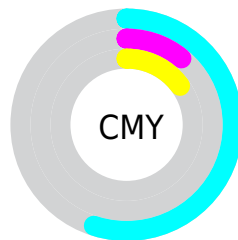
- Red (45%)
- Green (89%)
- Blue (85%)



- Red (45%)
- Yellow (68%)
- Blue (89%)



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



- Cyan (55%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4734, 0.2530, 0.3430 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 63.4734, 0.2530, 0.3430 by changing the saturation by 10% instead.


 63.4734, 0.2530,
0.3430

 63.4734, 0.2530,
0.3430

437.2855, 0.2809,
0.3368


 46.2243, 0.2466,
0.3443

 109.8522, 0.2627,
0.3409

 32.4229, 0.2386,
0.3459


 139.7507, 0.2665,
0.3401

 21.6847, 0.2285,
0.3479


 174.6344, 0.2698,
0.3394

 13.6254, 0.2152,
0.3503

214.8878, 0.2726,
0.3387

 7.8606, 0.1972,
0.3533

260.8952, 0.2750,
0.3382

 4.0059, 0.1714,
0.3569

313.0410, 0.2772,

 1.6768, 0.1276,

0.3377

371.7096, 0.2792,
0.3372

0.3625

0.4086, 0.0000,
0.3485

0.0000, 0.0000,
0.0000

63.4734, 0.2530,
0.3430

63.4734, 0.2530,
0.3430

62.0223, 0.2453,
0.3463

65.3088, 0.2625,
0.3398

60.9196, 0.2395,
0.3496


67.5465, 0.2735,
0.3368


60.1352, 0.2357,
0.3530


70.2124, 0.2858,
0.3340

59.6308, 0.2337,
0.3563


73.3280, 0.2991,
0.3313


 59.3414, 0.2333,
0.3596


 76.9134, 0.3131,
0.3289

 59.3341, 0.2333,
0.3597

 80.9874, 0.3276,
0.3268

 81.9854, 0.3294,
0.3246

 82.1112, 0.3279,
0.3224

 82.2385, 0.3265,
0.3203

Harmonies

Analogous

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



63.4734, 0.2885, 0.3841



63.4734, 0.2530, 0.3430



63.4734, 0.2338, 0.3008

Triad

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



63.4734, 0.2530, 0.3430



63.4734, 0.2887, 0.2626



63.4734, 0.3973, 0.3811

Complementary

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



63.4734, 0.2530, 0.3430



29.8793, 0.4391, 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.



63.4734, 0.3987, 0.3474



63.4734, 0.2530, 0.3430



63.4734, 0.3333, 0.2819

Square

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



63.4734, 0.2530, 0.3430



63.4734, 0.2532, 0.2581



63.4734, 0.3746, 0.3120



63.4734, 0.3723, 0.4044

Rectangle

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



63.4734, 0.2530, 0.3430



63.4734, 0.2317, 0.2790



63.4734, 0.3746, 0.3120



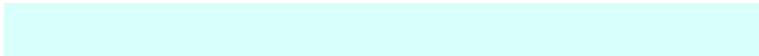
63.4734, 0.4007, 0.3705

Sweetspot

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



63.4759, 0.2530, 0.3430



93.2163, 0.2918, 0.3327



60.5404, 0.3118, 0.4837



19.7719, 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.



63.4759, 0.2530, 0.3430



80.6439, 0.2449, 0.3465



42.5264, 0.2361, 0.2676



16.3110, 0.2994, 0.3313



34.6188, 0.2331, 0.3592



2.5653, 0.2318, 0.3544

Inverse Universe

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



29.8793, 0.4391, 0.3168



32.0440, 0.4841, 0.3153



42.4397, 0.4239, 0.3814



14.3906, 0.3277, 0.3267



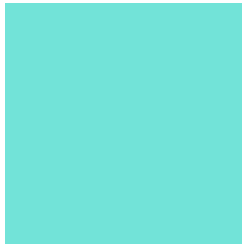
9.5658, 0.6286, 0.3236



0.7147, 0.6017, 0.3089

Previews

White Background



This preview shows how the Yxy color 63.4734, 0.2530, 0.3430 looks on a white background.

Color Contrast Check

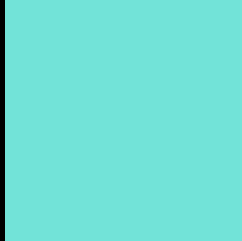
Large Text (above 18pt) WCAG AA × Fail

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 63.4734, 0.2530, 0.3430 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 63.4734, 0.2530, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 63.4734, 0.2530, 0.3430.

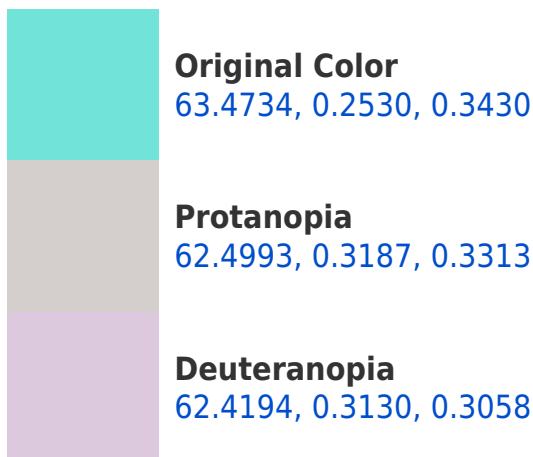


This preview shows how white text looks on a background with the Yxy color 63.4734, 0.2530, 0.3430.

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





Tritanopia

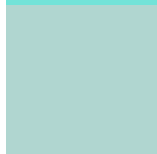
63.2638, 0.2437, 0.3066

Trichromacy



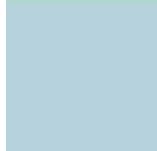
Original Color

63.4734, 0.2530, 0.3430



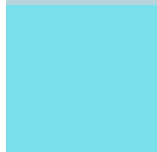
Protanomaly

61.8773, 0.2898, 0.3363



Deuteranomaly

61.2056, 0.2862, 0.3170



Tritanomaly

63.0594, 0.2468, 0.3188

Monochromacy



Original Color

63.4734, 0.2530, 0.3430



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.7722, 0.2856, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4734, 0.2530, 0.3430 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(114, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 227, 216) }
```

Border

The CSS property to change the border of an element to Yxy 63.4734, 0.2530, 0.3430 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(114, 227, 216) }
```

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

```
.border{ border-color:rgb(114, 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(114, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(114, 227,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4734, 0.2530, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 227, 216) }
```

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

```
.background{ background-color: rgb(114,  
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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