

Converting Colors

$Yxy(64.9993, 0.2450, 0.3463)$

Have a look what the booklet for
Yxy(64.9993, 0.2450, 0.3463)
contains.

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Color

Yxy(65.1023, 0.2453, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	5DE8DA
RGB	93, 232, 218
RGB Percent	36%, 91%, 85%
CMY	0.6356, 0.0902, 0.1450
CMYK	0.60, 0.00, 0.06, 0.09
HSL	174°, 75%, 64%
HSV	174°, 60%, 91%
XYZ	46.0219, 65.1023, 76.4905
YIQ	188.8430, -78.3500, -33.8220

Conversions

Conversions Part 2

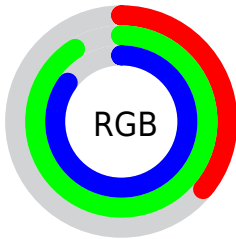
Format	Color
RYB	93, 166, 232
Decimal	6154458
CIELab	84.54, -40.72, -4.45
CIElCh	85, 40.964, 186.241
Yxy	65.1023, 0.2453, 0.3470
Android (android.graphics.Color)	4284344538 (0xFF5DE8DA)
YUV	188.8430, 14.3744, -84.0543
Hunter-Lab	80.6860, -39.3872, 0.2731

Details

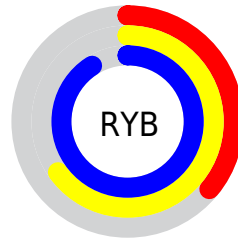
The Yxy color **65.1023, 0.2453, 0.3470** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **26.0303, 0.4819, 0.3149**, and the grayscale version is **50.7338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **33.6950, 0.2310, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **63.9523, 0.2396, 0.3505**, and if you desaturate by 10%, it is **66.6260, 0.2529, 0.3436**.

Distribution



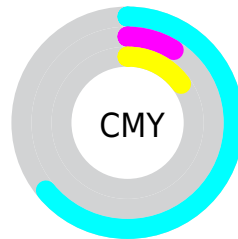
- Red (36%)
- Green (91%)
- Blue (85%)



- Red (36%)
- Yellow (65%)
- Blue (91%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (64%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1023, 0.2453, 0.3470 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 65.1023, 0.2453, 0.3470 by changing the saturation by 10% instead.


 65.1023, 0.2453,
0.3470

 65.1023, 0.2453,
0.3470


443.1595, 0.2766,
0.3390

 47.5440, 0.2381,
0.3487


 112.1969, 0.2562,
0.3443


 33.4659, 0.2293,
0.3508


 142.5021, 0.2604,
0.3432

 22.4836, 0.2182,
0.3533


 177.8250, 0.2641,
0.3423

 14.2127, 0.2036,
0.3564

 218.5500, 0.2672,
0.3415

 8.2687, 0.1841,
0.3603

265.0616, 0.2700,
0.3408

 4.2674, 0.1565,
0.3651

317.7441, 0.2725,

 1.8242, 0.1094,

0.3401

376.9819, 0.2747,
0.3395

0.3728

0.5022, 0.0000,
0.3692

0.0000, 0.0000,
0.0000

65.1023, 0.2453,
0.3470

65.1023, 0.2453,
0.3470

63.9523, 0.2396,
0.3505

66.6260, 0.2529,
0.3436

63.1342, 0.2358,
0.3540


68.5460, 0.2623,
0.3403

62.6094, 0.2340,
0.3574

70.8918, 0.2733,
0.3372


62.3081, 0.2336,
0.3608

73.6881, 0.2855,
0.3342


 62.3069, 0.2336,
0.3609

 76.9577, 0.2988,
0.3315

 80.7217, 0.3128,
0.3290

 84.9393, 0.3270,
0.3267

 85.0745, 0.3255,
0.3244

 85.2114, 0.3239,
0.3222

Harmonies

Analogous

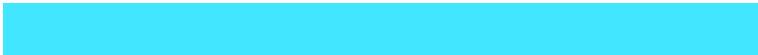
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.1023, 0.2863, 0.3951



65.1023, 0.2453, 0.3470



65.1023, 0.2229, 0.2975

Triad

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



65.1023, 0.2453, 0.3470



65.1023, 0.2828, 0.2527



65.1023, 0.4109, 0.3865

Complementary

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



65.1023, 0.2453, 0.3470



26.0303, 0.4819, 0.3149

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.



65.1023, 0.4117, 0.3474



65.1023, 0.2453, 0.3470



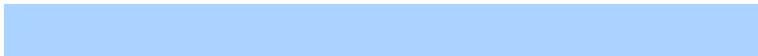
65.1023, 0.3341, 0.2740

Square

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



65.1023, 0.2453, 0.3470



65.1023, 0.2432, 0.2481



65.1023, 0.3827, 0.3076



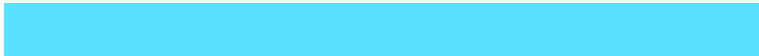
65.1023, 0.3825, 0.4151

Rectangle

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



65.1023, 0.2453, 0.3470



65.1023, 0.2201, 0.2722



65.1023, 0.3827, 0.3076



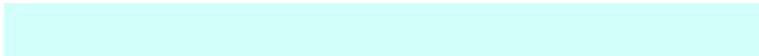
65.1023, 0.4146, 0.3741

Sweetspot

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



65.1048, 0.2453, 0.3470



92.0164, 0.2879, 0.3337



61.7675, 0.3116, 0.5181



19.4588, 0.2842, 0.3345



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.



65.1048, 0.2453, 0.3470



78.9629, 0.2385, 0.3513



40.2653, 0.2228, 0.2554



16.3101, 0.2995, 0.3314



34.5979, 0.2334, 0.3603



2.5639, 0.2320, 0.3553

Inverse Universe

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



26.0303, 0.4819, 0.3149



26.5532, 0.5381, 0.3150



38.5762, 0.4579, 0.3876



14.3914, 0.3277, 0.3267



9.5677, 0.6281, 0.3234



0.7150, 0.6005, 0.3082

Previews

White Background



This preview shows how the Yxy color 65.1023, 0.2453, 0.3470 looks on a white background.

Color Contrast Check

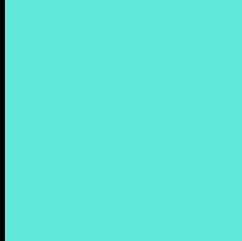
Large Text (above 18pt) WCAG AA × Fail

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 65.1023, 0.2453, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

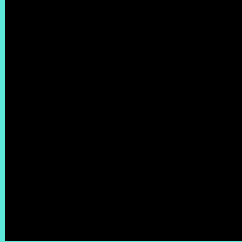
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

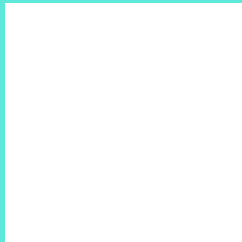
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1023, 0.2453, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 65.1023, 0.2453, 0.3470.

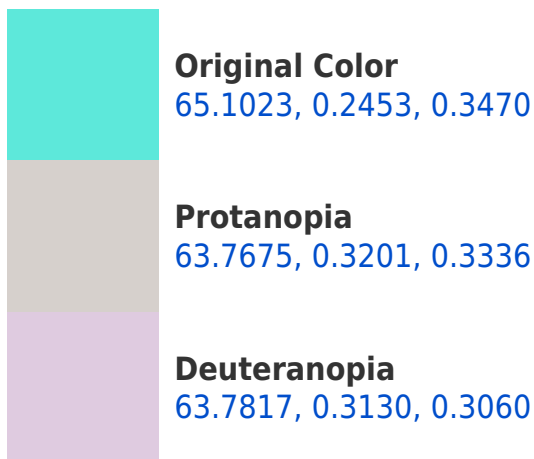


This preview shows how white text looks on a background with the Yxy color 65.1023, 0.2453, 0.3470.

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

65.0837, 0.2359, 0.3066

Trichromacy



Original Color

65.1023, 0.2453, 0.3470



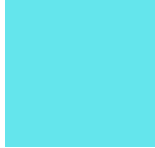
Protanomaly

62.7752, 0.2854, 0.3387



Deuteranomaly

62.5972, 0.2813, 0.3193



Tritanomaly

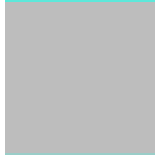
64.8041, 0.2390, 0.3200

Monochromacy



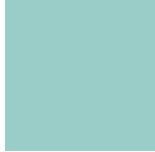
Original Color

65.1023, 0.2453, 0.3470



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.7028, 0.2795, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1023, 0.2453, 0.3470 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(93, 232, 218)` looks like.

```
.text, #text, p{  
    color:rgb(93, 232, 218)  
}
```

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(93, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 232, 218) }
```

Border

The CSS property to change the border of an element to Yxy 65.1023, 0.2453, 0.3470 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(93, 232, 218) }
```

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

```
.border{ border-color:rgb(93, 232, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 232, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(93, 232,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1023, 0.2453, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 232, 218) }
```

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

```
.background{ background-color: rgb(93, 232,  
218) }
```

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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