

Converting Colors

$Y_{xy}(65.2350, 0.2621, 0.3399)$

Have a look what the booklet for
Yxy(65.2350, 0.2621, 0.3399)
contains.

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Color

Yxy(65.2344, 0.2622, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	88E3DA
RGB	136, 227, 218
RGB Percent	53%, 89%, 85%
CMY	0.4662, 0.1099, 0.1450
CMYK	0.40, 0.00, 0.04, 0.11
HSL	174°, 62%, 71%
HSV	174°, 40%, 89%
XYZ	50.2924, 65.2344, 76.2826
YIQ	198.7650, -51.3470, -22.0910

Conversions

Conversions Part 2

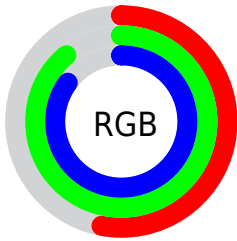
Format	Color
R_{YB}	136, 184, 227
Decimal	8971226
CIE _{Lab}	84.60, -29.23, -4.18
CIE _{LCh}	85, 29.524, 188.130
Yxy	65.2344, 0.2622, 0.3401
Android (android.graphics.Color)	4287161306 (0xFF88E3DA)
YUV	198.7650, 9.4829, -55.0449
Hunter-Lab	80.7678, -30.1954, 0.5400

Details

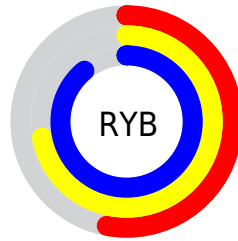
The Yxy color **65.2344, 0.2622, 0.3401** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.0156, 0.4037, 0.3187**, and the grayscale version is **56.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **33.4324, 0.2499, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **63.4150, 0.2528, 0.3433**, and if you desaturate by 10%, it is **67.4630, 0.2732, 0.3370**.

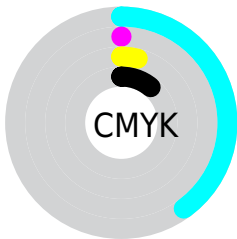
Distribution



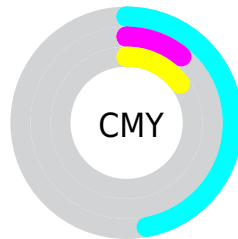
- Red (53%)
- Green (89%)
- Blue (85%)



- Red (53%)
- Yellow (72%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (47%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2344, 0.2622, 0.3401 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 65.2344, 0.2622, 0.3401 by changing the saturation by 10% instead.


 65.2344, 0.2622,
0.3401

 65.2344, 0.2622,
0.3401

443.6338, 0.2858,
0.3352


 47.6512, 0.2568,
0.3412


 112.3868, 0.2704,
0.3384

 33.5507, 0.2501,
0.3424


 142.7247, 0.2736,
0.3378

 22.5487, 0.2415,
0.3440


 178.0830, 0.2763,
0.3372

 14.2606, 0.2303,
0.3460

218.8461, 0.2787,
0.3367

 8.3021, 0.2151,
0.3484

265.3983, 0.2808,
0.3363

 4.2889, 0.1931,
0.3515

318.1241, 0.2827,

 1.8364, 0.1592,

0.3359

377.4078, 0.2843,
0.3355

0.3550

0.5097, 0.0000,
0.3757

0.0000, 0.0000,
0.0000

65.2344, 0.2622,
0.3401

65.2344, 0.2622,
0.3401

63.4150, 0.2528,
0.3433

67.4630, 0.2732,
0.3370

61.9716, 0.2452,
0.3467

70.1166, 0.2854,
0.3341


60.8781, 0.2395,
0.3501


73.2192, 0.2987,
0.3315

60.1019, 0.2357,
0.3535


76.7910, 0.3127,
0.3290

 59.6042, 0.2338,
0.3569


 80.8509, 0.3271,
0.3268

 59.3182, 0.2334,
0.3602

 81.9857, 0.3294,
0.3246

 82.1134, 0.3279,
0.3224

 82.2427, 0.3264,
0.3202

 82.3737, 0.3249,
0.3180

Harmonies

Analogous

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



65.2344, 0.2920, 0.3737



65.2344, 0.2622, 0.3401



65.2344, 0.2460, 0.3053

Triad

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



65.2344, 0.2622, 0.3401



65.2344, 0.2936, 0.2730



65.2344, 0.3831, 0.3739

Complementary

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



65.2344, 0.2622, 0.3401



36.0156, 0.4037, 0.3187

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.



65.2344, 0.3844, 0.3458



65.2344, 0.2622, 0.3401



65.2344, 0.3309, 0.2897

Square

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



65.2344, 0.2622, 0.3401



65.2344, 0.2633, 0.2692



65.2344, 0.3649, 0.3157



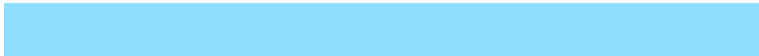
65.2344, 0.3622, 0.3923

Rectangle

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



65.2344, 0.2622, 0.3401



65.2344, 0.2444, 0.2870



65.2344, 0.3649, 0.3157



65.2344, 0.3859, 0.3652

Sweetspot

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



65.2370, 0.2622, 0.3401



94.4583, 0.2959, 0.3320



62.7491, 0.3127, 0.4497



20.1004, 0.2941, 0.3323



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.



65.2370, 0.2622, 0.3401



82.9405, 0.2543, 0.3428



47.8923, 0.2503, 0.2815



16.3106, 0.2995, 0.3313



34.6094, 0.2333, 0.3597



2.5647, 0.2319, 0.3548

Inverse Universe

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



36.0156, 0.4037, 0.3187



39.9601, 0.4334, 0.3169



47.7907, 0.3962, 0.3715



14.3910, 0.3277, 0.3267



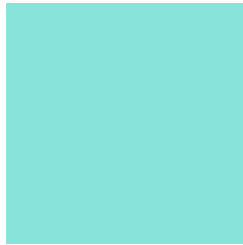
9.5666, 0.6284, 0.3235



0.7148, 0.6012, 0.3086

Previews

White Background



This preview shows how the Yxy color 65.2344, 0.2622, 0.3401 looks on a white background.

Color Contrast Check

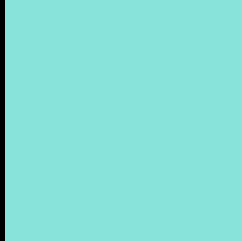
Large Text (above 18pt) WCAG AA × Fail

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 65.2344, 0.2622, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

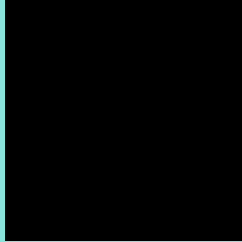
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

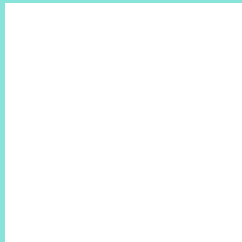
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.2344, 0.2622, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 65.2344, 0.2622, 0.3401.

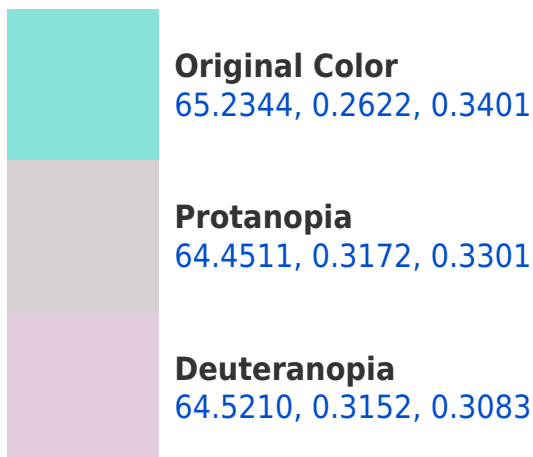


This preview shows how white text looks on a background with the Yxy color 65.2344, 0.2622, 0.3401.

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

64.8770, 0.2529, 0.3071

Trichromacy



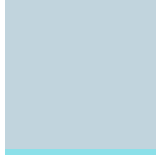
Original Color

65.2344, 0.2622, 0.3401



Protanomaly

64.3043, 0.2942, 0.3337



Deuteranomaly

63.6449, 0.2932, 0.3185



Tritanomaly

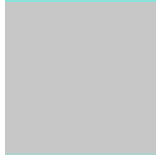
64.7700, 0.2560, 0.3178

Monochromacy



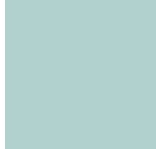
Original Color

65.2344, 0.2622, 0.3401



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.2873, 0.2909, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2344, 0.2622, 0.3401 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, 227, 218)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 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(136, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 218) }
```

Border

The CSS property to change the border of an element to Yxy 65.2344, 0.2622, 0.3401 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, 227, 218) }
```

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

```
.border{ border-color:rgb(136, 227, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 227, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 227, 218);  
box-shadow:4px 4px 4px 4px rgb(136, 227,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2344, 0.2622, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 218) }
```

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

```
.background{ background-color: rgb(136,  
227, 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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