

Converting Colors

$Y_{xy}(65.7221, 0.2620, 0.3186)$

Have a look what the booklet for
Yxy(65.7221, 0.2620, 0.3186)
contains.

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Color

Yxy(65.7168, 0.2622, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	97E0E8
RGB	151, 224, 232
RGB Percent	59%, 88%, 91%
CMY	0.4079, 0.1215, 0.0902
CMYK	0.35, 0.03, 0.00, 0.09
HSL	186°, 64%, 75%
HSV	186°, 35%, 91%
XYZ	53.9817, 65.7168, 86.1812
YIQ	203.0850, -46.0760, -12.9880

Conversions

Conversions Part 2

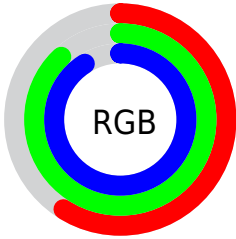
Format	Color
RYB	151, 189, 232
Decimal	9953512
CIELab	84.85, -20.64, -11.12
CIElCh	85, 23.443, 208.321
Yxy	65.7168, 0.2622, 0.3192
Android (android.graphics.Color)	4288143592 (0xFF97E0E8)
YUV	203.0850, 14.2551, -45.6785
Hunter-Lab	81.0659, -23.0024, -6.2851

Details

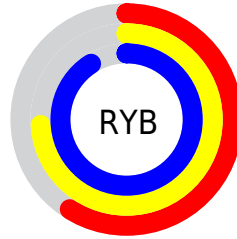
The Yxy color **65.7168, 0.2622, 0.3192** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1804, 0.3927, 0.3384**, and the grayscale version is **59.7077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **33.9973, 0.2508, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **62.4918, 0.2502, 0.3160**, and if you desaturate by 10%, it is **69.4003, 0.2756, 0.3223**.

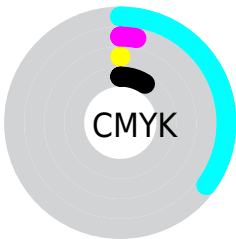
Distribution



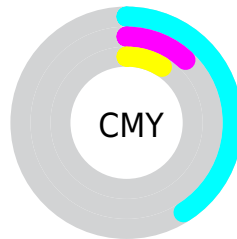
- Red (59%)
- Green (88%)
- Blue (91%)



- Red (59%)
- Yellow (74%)
- Blue (91%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)




- Cyan (41%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7168, 0.2622, 0.3192 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 65.7168, 0.2622, 0.3192 by changing the saturation by 10% instead.

 65.7168, 0.2622,
0.3192

 65.7168, 0.2622,
0.3192


445.3634, 0.2856,
0.3243

 48.0425, 0.2569,
0.3179


 113.0798, 0.2703,
0.3211

 33.8606, 0.2503,
0.3162


 143.5373, 0.2735,
0.3218

 22.7865, 0.2419,
0.3140


179.0246, 0.2762,
0.3224

 14.4359, 0.2311,
0.3109

219.9263, 0.2786,
0.3229

 8.4245, 0.2164,
0.3063

266.6266, 0.2806,
0.3233

 4.3678, 0.1955,
0.2990

319.5099, 0.2825,

 1.8813, 0.1639,

0.3237

0.2859

378.9607, 0.2841,
0.3240

■ 0.5371, 0.0034,
0.2736

■ 0.0000, 0.0000,
0.0000

■ 65.7168, 0.2622,
0.3192

■ 65.7168, 0.2622,
0.3192

■ 62.4918, 0.2502,
0.3160

■ 69.4003, 0.2756,
0.3223

■ 59.6917, 0.2398,
0.3126

■ 73.5582, 0.2899,
0.3251

■ 57.2906, 0.2312,
0.3092

■ 78.2150, 0.3051,
0.3278

■ 55.2564, 0.2246,
0.3058

■ 83.3915, 0.3207,
0.3302

■ 53.5517, 0.2199,
0.3023

■ 86.7613, 0.3282,
0.3324

■ 52.1309, 0.2169,
0.2990

■ 88.0838, 0.3279,
0.3347

■ 51.4808, 0.2159,
0.2973

■ 89.4232, 0.3277,
0.3369

■ 90.7796, 0.3275,
0.3391

■ 92.1531, 0.3272,
0.3414

Harmonies

Analogous

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



65.7168, 0.2794, 0.3471



65.7168, 0.2622, 0.3192



65.7168, 0.2580, 0.2958

Triad

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



65.7168, 0.2622, 0.3192



65.7168, 0.3176, 0.2920



65.7168, 0.3590, 0.3759

Complementary

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



65.7168, 0.2622, 0.3192



44.1804, 0.3927, 0.3384

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.



65.7168, 0.3706, 0.3586



65.7168, 0.2622, 0.3192



65.7168, 0.3461, 0.3111

Square

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



65.7168, 0.2622, 0.3192



65.7168, 0.2888, 0.2817



65.7168, 0.3659, 0.3350



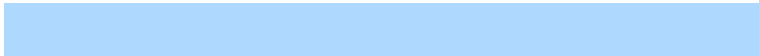
65.7168, 0.3350, 0.3810

Rectangle

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



65.7168, 0.2622, 0.3192



65.7168, 0.2628, 0.2858



65.7168, 0.3659, 0.3350



65.7168, 0.3645, 0.3712

Sweetspot

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



65.7194, 0.2622, 0.3192



93.8857, 0.2972, 0.3265



66.7507, 0.3040, 0.4249



19.9225, 0.2951, 0.3261



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.



65.7194, 0.2622, 0.3192



78.4691, 0.2533, 0.3169



46.9958, 0.2554, 0.2690



16.0805, 0.2982, 0.3266



28.6855, 0.2161, 0.2978



2.1905, 0.2174, 0.3027

Inverse Universe

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



44.6683, 0.3237, 0.2501



48.9665, 0.3264, 0.2343



59.8902, 0.3772, 0.3821



14.5894, 0.3153, 0.3081



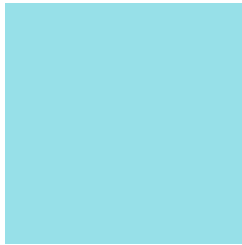
12.0935, 0.3473, 0.1687



0.9008, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 65.7168, 0.2622, 0.3192 looks on a white background.

Color Contrast Check

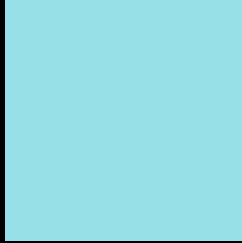
Large Text (above 18pt) WCAG AA × Fail

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 65.7168, 0.2622, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

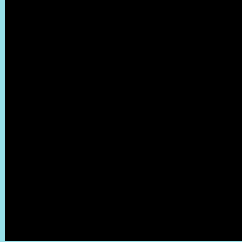
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7168, 0.2622, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 65.7168, 0.2622, 0.3192.

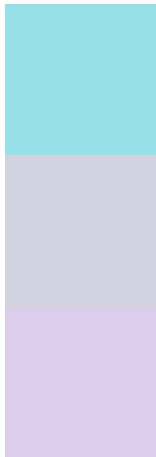


This preview shows how white text looks on a background with the Yxy color 65.7168, 0.2622, 0.3192.

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

65.7168, 0.2622, 0.3192

Protanopia

65.2698, 0.3046, 0.3144

Deuteranopia

64.9344, 0.3025, 0.2954



Tritanopia

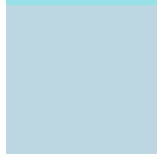
65.8985, 0.2585, 0.3075

Trichromacy



Original Color

65.7168, 0.2622, 0.3192



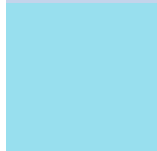
Protanomaly

64.9107, 0.2875, 0.3162



Deuteranomaly

64.6872, 0.2858, 0.3028



Tritanomaly

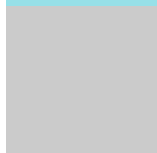
65.6238, 0.2595, 0.3109

Monochromacy



Original Color

65.7168, 0.2622, 0.3192



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.6339, 0.2914, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7168, 0.2622, 0.3192 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(151, 224, 232)` looks like.

```
.text, #text, p{  
    color:rgb(151, 224, 232)  
}
```

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(151, 224, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 224, 232) }
```

Border

The CSS property to change the border of an element to Yxy 65.7168, 0.2622, 0.3192 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(151, 224, 232) }
```

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

```
.border{ border-color:rgb(151, 224, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 224, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 224, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 224, 232);  
box-shadow:4px 4px 4px 4px rgb(151, 224,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7168, 0.2622, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 224, 232) }
```

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

```
.background{ background-color: rgb(151,  
224, 232) }
```

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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