

Converting Colors

$Y_{xy}(62.9513, 0.2309, 0.3288)$

Have a look what the booklet for
Yxy(62.9513, 0.2309, 0.3288)
contains.

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Color

Yxy(63.2114, 0.2313, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	3CE6E5
RGB	60, 230, 229
RGB Percent	24%, 90%, 90%
CMY	0.7655, 0.0980, 0.1020
CMYK	0.74, 0.00, 0.00, 0.10
HSL	180°, 77%, 57%
HSV	180°, 74%, 90%
XYZ	44.2920, 63.2114, 83.9882
YIQ	179.0560, -100.9990, -36.3510

Conversions

Conversions Part 2

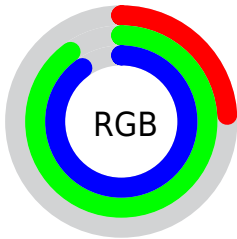
Format	Color
R _{YB}	60, 145, 230
Decimal	3991269
CIE _{Lab}	83.55, -41.47, -11.78
CIE _{LCh}	84, 43.107, 195.856
Y _{xy}	63.2114, 0.2313, 0.3301
Android (android.graphics.Color)	4282181349 (0xFF3CE6E5)
YUV	179.0560, 24.6224, -104.4121
Hunter-Lab	79.5056, -39.6937, -6.9789

Details

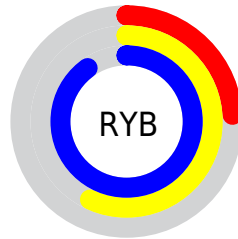
The Yxy color **63.2114, 0.2313, 0.3301** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.3702, 0.5665, 0.3290**, and the grayscale version is **44.9864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **33.3281, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **62.6413, 0.2277, 0.3303**, and if you desaturate by 10%, it is **64.0969, 0.2368, 0.3299**.

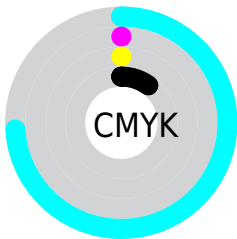
Distribution



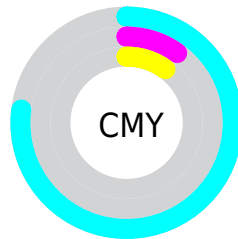
- Red (24%)
- Green (90%)
- Blue (90%)



- Red (24%)
- Yellow (57%)
- Blue (90%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (77%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2114, 0.2313, 0.3301 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 63.2114, 0.2313, 0.3301 by changing the saturation by 10% instead.


 63.2114, 0.2313,
0.3301

 63.2114, 0.2313,
0.3301


436.3363, 0.2689,
0.3307


 46.0123, 0.2228,
0.3297


 109.4744, 0.2443,
0.3305


 32.2555, 0.2124,
0.3290


 139.3071, 0.2493,
0.3306

 21.5567, 0.1994,
0.3278


 174.1198, 0.2537,
0.3307

 13.5315, 0.1826,
0.3259

 214.2968, 0.2575,
0.3307

 7.7956, 0.1604,
0.3224

260.2225, 0.2609,
0.3307

 3.9644, 0.1300,
0.3157

312.2814, 0.2638,

 1.6537, 0.0763,

0.3307

370.8579, 0.2665,
0.3307

0.3047

0.3934, 0.0000,
0.2349

0.0000, 0.0000,
0.0000

63.2114, 0.2313,
0.3301

63.2114, 0.2313,
0.3301

62.6413, 0.2277,
0.3303

64.0969, 0.2368,
0.3299


62.3359, 0.2258,
0.3305

65.3266, 0.2443,
0.3297


62.2396, 0.2252,
0.3306


66.9339, 0.2537,
0.3296

68.9463, 0.2648,
0.3294

 71.3889, 0.2776,
0.3293

 74.2846, 0.2915,
0.3292

 77.6548, 0.3065,
0.3290

 81.5194, 0.3222,
0.3289

 83.5896, 0.3299,
0.3288

Harmonies

Analogous

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



63.2114, 0.2689, 0.3847



63.2114, 0.2313, 0.3301



63.2114, 0.2151, 0.2813

Triad

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



63.2114, 0.2313, 0.3301



63.2114, 0.2975, 0.2540



63.2114, 0.4099, 0.4010

Complementary

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



63.2114, 0.2313, 0.3301



20.3702, 0.5665, 0.3290

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.



63.2114, 0.4212, 0.3618



63.2114, 0.2313, 0.3301



63.2114, 0.3531, 0.2811

Square

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



63.2114, 0.2313, 0.3301



63.2114, 0.2505, 0.2430



63.2114, 0.4001, 0.3192



63.2114, 0.3722, 0.4257

Rectangle

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



63.2114, 0.2313, 0.3301



63.2114, 0.2171, 0.2591



63.2114, 0.4001, 0.3192



63.2114, 0.4171, 0.3889

Sweetspot

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



63.2138, 0.2313, 0.3301



90.8467, 0.2801, 0.3293



57.9715, 0.3026, 0.5634



19.2466, 0.2764, 0.3293



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.



63.2138, 0.2313, 0.3301



78.8999, 0.2264, 0.3304



27.7664, 0.2002, 0.2083



16.3349, 0.2983, 0.3291



35.2314, 0.2252, 0.3306



2.6040, 0.2251, 0.3303

Inverse Universe

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



20.3702, 0.5665, 0.3290



22.1837, 0.6221, 0.3295



36.5152, 0.4864, 0.4118



14.3694, 0.3292, 0.3289



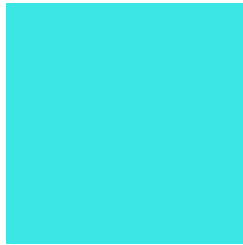
9.5266, 0.6394, 0.3296



0.7045, 0.6375, 0.3286

Previews

White Background



This preview shows how the Yxy color 63.2114, 0.2313, 0.3301 looks on a white background.

Color Contrast Check

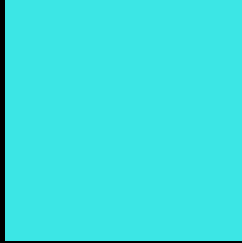
Large Text (above 18pt) WCAG AA × Fail

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 63.2114, 0.2313, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

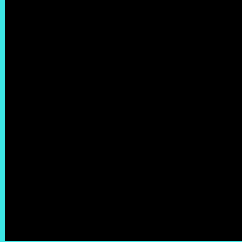
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2114, 0.2313, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 63.2114, 0.2313, 0.3301.

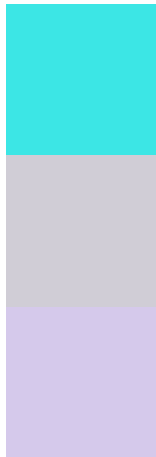


This preview shows how white text looks on a background with the Yxy color 63.2114, 0.2313, 0.3301.

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

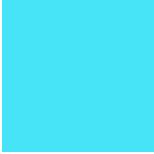
63.2114, 0.2313, 0.3301

Protanopia

61.9276, 0.3087, 0.3187

Deuteranopia

61.9176, 0.2981, 0.2914



Tritanopia

62.9316, 0.2262, 0.3047

Trichromacy



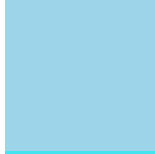
Original Color

63.2114, 0.2313, 0.3301



Protanomaly

60.0776, 0.2694, 0.3226



Deuteranomaly

60.1383, 0.2631, 0.3034



Tritanomaly

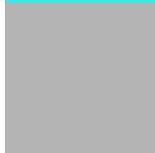
62.9714, 0.2279, 0.3134

Monochromacy



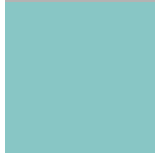
Original Color

63.2114, 0.2313, 0.3301



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

49.6536, 0.2689, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2114, 0.2313, 0.3301 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(60, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(60, 230, 229)  
}
```

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(60, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 63.2114, 0.2313, 0.3301 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(60, 230, 229) }
```

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

```
.border{ border-color:rgb(60, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(60, 230,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2114, 0.2313, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 230, 229) }
```

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

```
.background{ background-color: rgb(60, 230,  
229) }
```

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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