

Converting Colors

$Y_{xy}(62.7598, 0.2291, 0.3296)$

Have a look what the booklet for
Yxy(62.7598, 0.2291, 0.3296)
contains.

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Color

Yxy(62.8791, 0.2292, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	30E6E5
RGB	48, 230, 229
RGB Percent	19%, 90%, 90%
CMY	0.8113, 0.0980, 0.1020
CMYK	0.79, 0.00, 0.00, 0.10
HSL	180°, 78%, 55%
HSV	180°, 79%, 90%
XYZ	43.6592, 62.8791, 83.9467
YIQ	175.4680, -108.1510, -38.8950

Conversions

Conversions Part 2

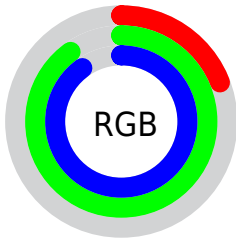
Format	Color
RYB	48, 139, 230
Decimal	3204837
CIELab	83.38, -42.57, -12.05
CIELCh	83, 44.241, 195.803
Yxy	62.8791, 0.2292, 0.3301
Android (android.graphics.Color)	4281394917 (0xFF30E6E5)
YUV	175.4680, 26.3913, -111.7894
Hunter-Lab	79.2963, -40.4897, -7.2597

Details

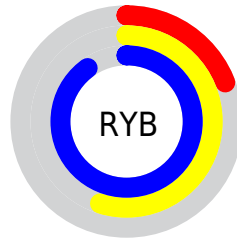
The Yxy color **62.8791, 0.2292, 0.3301** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.1691, 0.5882, 0.3292**, and the grayscale version is **43.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **33.3281, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **62.4512, 0.2265, 0.3303**, and if you desaturate by 10%, it is **63.6014, 0.2338, 0.3299**.

Distribution



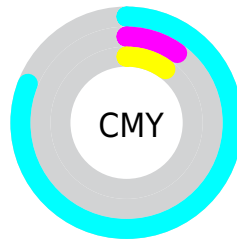
- Red (19%)
- Green (90%)
- Blue (90%)



- Red (19%)
- Yellow (55%)
- Blue (90%)



- Cyan (79%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (81%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8791, 0.2292, 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 62.8791, 0.2292, 0.3301 by changing the saturation by 10% instead.


 62.8791, 0.2292,
0.3301

 62.8791, 0.2292,
0.3301


435.1306, 0.2677,
0.3308

 45.7434, 0.2205,
0.3296


 108.9951, 0.2425,
0.3306

 32.0434, 0.2098,
0.3289


 138.7441, 0.2477,
0.3307

 21.3946, 0.1965,
0.3277


 173.4665, 0.2522,
0.3308

 13.4128, 0.1793,
0.3256

 213.5464, 0.2561,
0.3308

 7.7134, 0.1567,
0.3219

259.3684, 0.2595,
0.3308

 3.9121, 0.1258,
0.3147

311.3168, 0.2626,

 1.6245, 0.0689,

0.3308

369.7761, 0.2653,
0.3308

0.3038

0.3740, 0.0000,
0.2263

0.0000, 0.0000,
0.0000

62.8791, 0.2292,
0.3301

62.8791, 0.2292,
0.3301

62.4512, 0.2265,
0.3303

63.6014, 0.2338,
0.3299


62.2495, 0.2252,
0.3304

64.6504, 0.2402,
0.3298

62.2353, 0.2251,
0.3305


66.0617, 0.2487,
0.3296


67.8644, 0.2590,
0.3295

 70.0849, 0.2709,
0.3293

 72.7469, 0.2843,
0.3292

 75.8727, 0.2988,
0.3291

 79.4829, 0.3142,
0.3290

 83.5757, 0.3300,
0.3289

Harmonies

Analogous

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



62.8791, 0.2677, 0.3865



62.8791, 0.2292, 0.3301



62.8791, 0.2127, 0.2800

Triad

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



62.8791, 0.2292, 0.3301



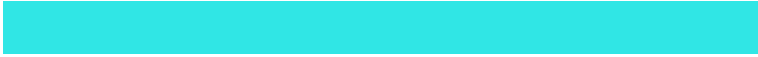
62.8791, 0.2969, 0.2521



62.8791, 0.4126, 0.4027

Complementary

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



62.8791, 0.2292, 0.3301



19.1691, 0.5882, 0.3292

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.



62.8791, 0.4242, 0.3623



62.8791, 0.2292, 0.3301



62.8791, 0.3540, 0.2798

Square

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



62.8791, 0.2292, 0.3301



62.8791, 0.2488, 0.2409



62.8791, 0.4025, 0.3187



62.8791, 0.3737, 0.4283

Rectangle

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



62.8791, 0.2292, 0.3301



62.8791, 0.2147, 0.2572



62.8791, 0.4025, 0.3187



62.8791, 0.4200, 0.3902

Sweetspot

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



62.8815, 0.2292, 0.3301



90.1607, 0.2774, 0.3293



57.5163, 0.3019, 0.5749



19.0482, 0.2727, 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.



62.8815, 0.2292, 0.3301



78.7361, 0.2256, 0.3304



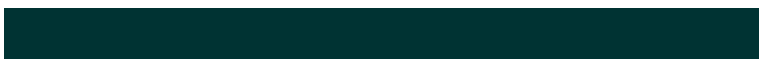
25.7163, 0.1947, 0.1987



16.3350, 0.2982, 0.3291



35.2342, 0.2251, 0.3304



2.6041, 0.2251, 0.3302

Inverse Universe

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



19.1691, 0.5882, 0.3292



21.5735, 0.6336, 0.3297



34.6527, 0.5002, 0.4130



14.3693, 0.3292, 0.3289



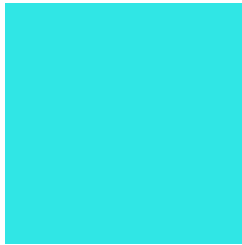
9.5264, 0.6395, 0.3296



0.7044, 0.6377, 0.3286

Previews

White Background



This preview shows how the Yxy color 62.8791, 0.2292, 0.3301 looks on a white background.

Color Contrast Check

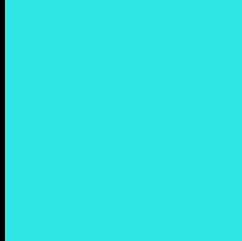
Large Text (above 18pt) WCAG AA × Fail

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 62.8791, 0.2292, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

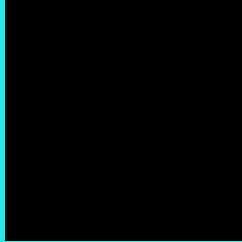
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8791, 0.2292, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 62.8791, 0.2292, 0.3301.

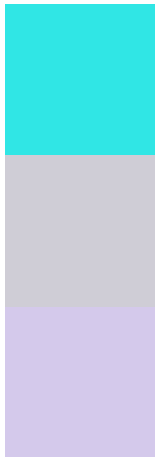


This preview shows how white text looks on a background with the Yxy color 62.8791, 0.2292, 0.3301.

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

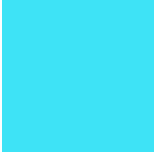
62.8791, 0.2292, 0.3301

Protanopia

61.7831, 0.3079, 0.3187

Deuteranopia

61.7685, 0.2973, 0.2914



Tritanopia

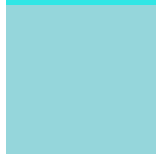
62.6161, 0.2242, 0.3046

Trichromacy



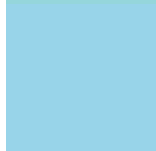
Original Color

62.8791, 0.2292, 0.3301



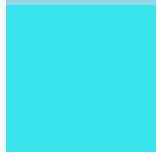
Protanomaly

59.5972, 0.2665, 0.3226



Deuteranomaly

59.6456, 0.2602, 0.3032



Tritanomaly

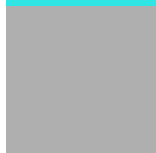
62.6479, 0.2258, 0.3133

Monochromacy



Original Color

62.8791, 0.2292, 0.3301



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.6375, 0.2652, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8791, 0.2292, 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(48, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 62.8791, 0.2292, 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(48, 230, 229) }
```

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

```
.border{ border-color:rgb(48, 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(48, 230, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(48, 230,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8791, 0.2292, 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(48, 230, 229) }
```

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

```
.background{ background-color: rgb(48, 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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