

Converting Colors

$Y_{xy}(62.2966, 0.2263, 0.3304)$

Have a look what the booklet for
Yxy(62.2966, 0.2263, 0.3304)
contains.

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Color

Yxy(62.4329, 0.2262, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	16E6E5
RGB	22, 230, 229
RGB Percent	9%, 90%, 90%
CMY	0.9120, 0.0980, 0.1020
CMYK	0.90, 0.00, 0.00, 0.10
HSL	180°, 82%, 49%
HSV	180°, 90%, 90%
XYZ	42.7820, 62.4329, 83.9184
YIQ	167.6940, -123.6470, -44.4070

Conversions

Conversions Part 2

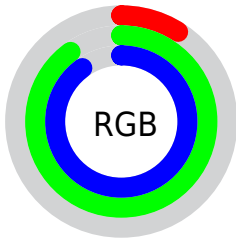
Format	Color
R _Y B	22, 126, 230
Decimal	1500901
CIE Lab	83.14, -44.15, -12.43
CIE LCh	83, 45.871, 195.727
Yxy	62.4329, 0.2262, 0.3301
Android (android.graphics.Color)	4279690981 (0xFF16E6E5)
YUV	167.6940, 30.2239, -127.7736
Hunter-Lab	79.0145, -41.6275, -7.6596

Details

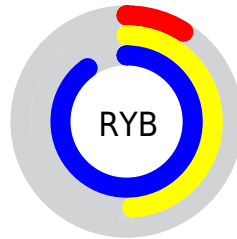
The Yxy color **62.4329, 0.2262, 0.3301** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.4799, 0.6240, 0.3296**, and the grayscale version is **38.9658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **33.3281, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **62.2535, 0.2251, 0.3303**, and if you desaturate by 10%, it is **62.8338, 0.2287, 0.3300**.

Distribution



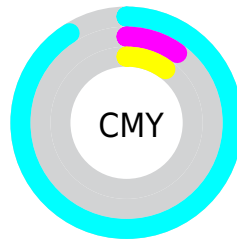
- Red (9%)
- Green (90%)
- Blue (90%)



- Red (9%)
- Yellow (49%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (91%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4329, 0.2262, 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 62.4329, 0.2262, 0.3301 by changing the saturation by 10% instead.


 62.4329, 0.2262,
0.3301

 62.4329, 0.2262,
0.3301


 433.5084, 0.2661,
0.3309


 45.3826, 0.2172,
0.3296

 108.3509, 0.2400,
0.3306

 31.7589, 0.2062,
0.3288


 137.9875, 0.2453,
0.3308

 21.1774, 0.1924,
0.3275


 172.5882, 0.2500,
0.3308

 13.2537, 0.1747,
0.3252

 212.5375, 0.2540,
0.3309

 7.6035, 0.1514,
0.3212

 258.2198, 0.2576,
0.3309

 3.8423, 0.1199,
0.3134

 310.0194, 0.2608,

 1.5857, 0.0582,

0.3309

368.3208, 0.2636,
0.3309

0.3025

0.3480, 0.0000,
0.2141

0.0000, 0.0000,
0.0000

62.4329, 0.2262,
0.3301

62.4329, 0.2262,
0.3301

62.2535, 0.2251,
0.3303

62.8338, 0.2287,
0.3300

63.5170, 0.2331,
0.3298

64.5251, 0.2394,
0.3297

65.8920, 0.2476,
0.3295

67.6471, 0.2576,
0.3294

69.8170, 0.2694,
0.3293

72.4259, 0.2826,
0.3292

75.4962, 0.2971,
0.3291

79.0485, 0.3123,
0.3290

Harmonies

Analogous

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



62.4329, 0.2660, 0.3891



62.4329, 0.2262, 0.3301



62.4329, 0.2092, 0.2780

Triad

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



62.4329, 0.2262, 0.3301



62.4329, 0.2960, 0.2494



62.4329, 0.4163, 0.4050

Complementary

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



62.4329, 0.2262, 0.3301



17.4799, 0.6240, 0.3296

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.



62.4329, 0.4286, 0.3630



62.4329, 0.2262, 0.3301



62.4329, 0.3554, 0.2779

Square

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



62.4329, 0.2262, 0.3301



62.4329, 0.2463, 0.2378



62.4329, 0.4059, 0.3180



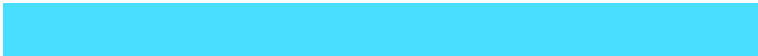
62.4329, 0.3759, 0.4321

Rectangle

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



62.4329, 0.2262, 0.3301



62.4329, 0.2113, 0.2545



62.4329, 0.4059, 0.3180



62.4329, 0.4241, 0.3920

Sweetspot

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



62.4352, 0.2262, 0.3301



89.1761, 0.2734, 0.3292



56.8807, 0.3008, 0.5926



18.8602, 0.2690, 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.



62.4352, 0.2262, 0.3301



78.6593, 0.2251, 0.3303



21.7710, 0.1846, 0.1781



16.3351, 0.2982, 0.3291



35.2392, 0.2251, 0.3302



2.6045, 0.2250, 0.3300

Inverse Universe

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



17.4799, 0.6240, 0.3296



21.2628, 0.6397, 0.3298



30.9929, 0.5277, 0.4105



14.3692, 0.3292, 0.3289



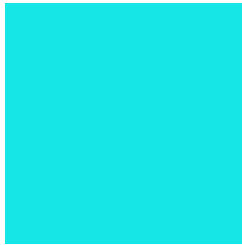
9.5262, 0.6395, 0.3297



0.7044, 0.6380, 0.3288

Previews

White Background



This preview shows how the Yxy color 62.4329, 0.2262, 0.3301 looks on a white background.

Color Contrast Check

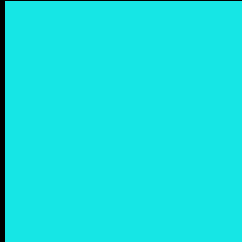
Large Text (above 18pt) WCAG AA × Fail

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 62.4329, 0.2262, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

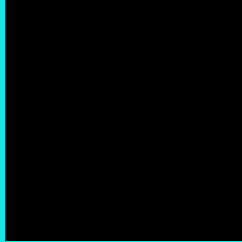
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.4329, 0.2262, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 62.4329, 0.2262, 0.3301.

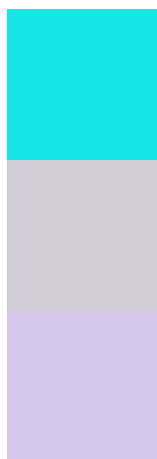


This preview shows how white text looks on a background with the Yxy color 62.4329, 0.2262, 0.3301.

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

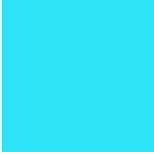
62.4213, 0.2262, 0.3301

Protanopia

61.2552, 0.3087, 0.3186

Deuteranopia

61.2136, 0.2959, 0.2891



Tritanopia

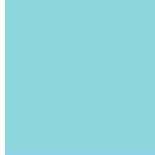
62.1963, 0.2216, 0.3045

Trichromacy



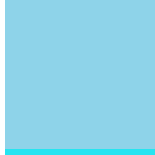
Original Color

62.4213, 0.2262, 0.3301



Protanomaly

58.2784, 0.2612, 0.3212



Deuteranomaly

58.2225, 0.2545, 0.3015



Tritanomaly

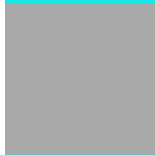
62.1901, 0.2229, 0.3132

Monochromacy



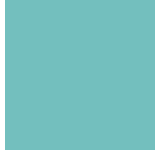
Original Color

62.4213, 0.2262, 0.3301



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.6241, 0.2590, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4329, 0.2262, 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(22, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 62.4329, 0.2262, 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(22, 230, 229) }
```

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

```
.border{ border-color:rgb(22, 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(22, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 230, 229); box-shadow:4px 4px 4px 4px rgb(22, 230, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4329, 0.2262, 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(22, 230, 229) }
```

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

```
.background{ background-color: rgb(22, 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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