

Converting Colors

$Y_{xy}(62.7253, 0.2191, 0.3086)$

Have a look what the booklet for
Yxy(62.7253, 0.2191, 0.3086)
contains.

Yxy(62.6376, 0.2190, 0.3081)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.6376, 0.2190, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	02E5F5
RGB	2, 229, 245
RGB Percent	1%, 90%, 96%
CMY	0.9923, 0.1020, 0.0392
CMYK	0.99, 0.07, 0.00, 0.04
HSL	184°, 98%, 48%
HSV	184°, 99%, 96%
XYZ	44.5233, 62.6376, 96.1419
YIQ	162.9510, -140.4280, -43.1480

Conversions

Conversions Part 2

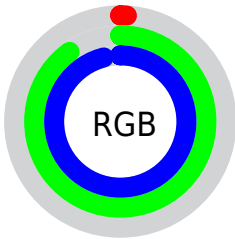
Format	Color
R _Y B	2, 119, 245
Decimal	189941
CIE Lab	83.25, -39.49, -20.75
CIE LCh	83, 44.610, 207.720
Yxy	62.6376, 0.2190, 0.3081
Android (android.graphics.Color)	4278380021 (0xFF02E5F5)
YUV	162.9510, 40.4502, -141.1540
Hunter-Lab	79.1439, -38.0846, -16.6232

Details

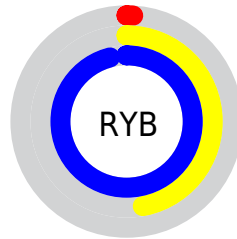
The Yxy color **62.6376, 0.2190, 0.3081** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.8518, 0.6354, 0.3329**, and the grayscale version is **36.4485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **33.5613, 0.2173, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **62.5559, 0.2189, 0.3079**, and if you desaturate by 10%, it is **63.7511, 0.2209, 0.3103**.

Distribution



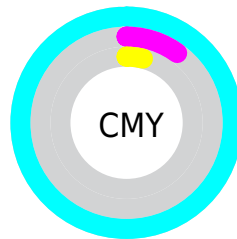
- Red (1%)
- Green (90%)
- Blue (96%)



- Red (1%)
- Yellow (47%)
- Blue (96%)



- Cyan (99%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (99%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6376, 0.2190, 0.3081 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 62.6376, 0.2190, 0.3081 by changing the saturation by 10% instead.


 62.6376, 0.2190,
0.3081

 62.6376, 0.2190,
0.3081

434.2531, 0.2617,
0.3196


 45.5481, 0.2095,
0.3051

 108.6465, 0.2336,
0.3124


 31.8894, 0.1979,
0.3011


 138.3347, 0.2394,
0.3140

 21.2770, 0.1836,
0.2957


 172.9913, 0.2444,
0.3153

 13.3266, 0.1655,
0.2881

 213.0005, 0.2487,
0.3165

 7.6539, 0.1420,
0.2770

 258.7470, 0.2526,
0.3174

 3.8743, 0.1110,
0.2593

310.6149, 0.2560,

 1.6035, 0.0620,

0.3182

0.2310

368.9888, 0.2590,
0.3190

■ 0.3599, 0.0000,
0.1442

■ 0.0000, 0.0000,
0.0000

■ 62.6376, 0.2190,
0.3081

■ 62.6376, 0.2190,
0.3081

■ 62.5559, 0.2189,
0.3079

■ 63.7511, 0.2209,
0.3103

■ 65.1346, 0.2244,
0.3125

■ 66.8612, 0.2298,
0.3148

■ 68.9771, 0.2371,
0.3171

■ 71.5213, 0.2463,
0.3193

■ 74.5280, 0.2573,
0.3215

■ 78.0278, 0.2699,
0.3236

■ 82.0487, 0.2837,
0.3256

■ 86.6167, 0.2985,
0.3274

Harmonies

Analogous

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



62.6376, 0.2495, 0.3652



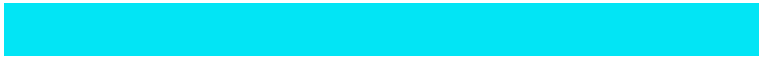
62.6376, 0.2190, 0.3081



62.6376, 0.2118, 0.2646

Triad

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



62.6376, 0.2190, 0.3081



62.6376, 0.3194, 0.2608



62.6376, 0.4005, 0.4162

Complementary

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



62.6376, 0.2190, 0.3081



19.8518, 0.6354, 0.3329

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.



62.6376, 0.4245, 0.3796



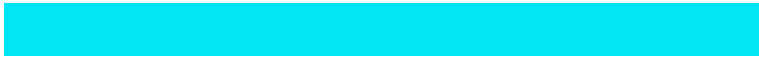
62.6376, 0.2190, 0.3081



62.6376, 0.3761, 0.2939

Square

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



62.6376, 0.2190, 0.3081



62.6376, 0.2656, 0.2424



62.6376, 0.4160, 0.3358



62.6376, 0.3538, 0.4321

Rectangle

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



62.6376, 0.2190, 0.3081



62.6376, 0.2200, 0.2476



62.6376, 0.4160, 0.3358



62.6376, 0.4117, 0.4055

Sweetspot

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



62.6399, 0.2190, 0.3081



85.0882, 0.2687, 0.3234



65.3595, 0.2994, 0.5973



17.8557, 0.2633, 0.3225



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.



62.6399, 0.2190, 0.3081



68.4782, 0.2189, 0.3079



18.0480, 0.1723, 0.1399



18.5597, 0.2981, 0.3274



33.7760, 0.2190, 0.3083



3.0240, 0.2197, 0.3111

Inverse Universe

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



25.1146, 0.3383, 0.1640



27.4441, 0.3385, 0.1639



36.9267, 0.5270, 0.4192



16.7483, 0.3148, 0.3072



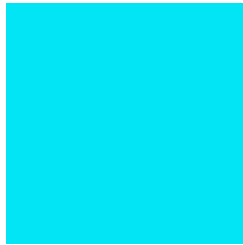
13.5091, 0.3382, 0.1637



1.1929, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 62.6376, 0.2190, 0.3081 looks on a white background.

Color Contrast Check

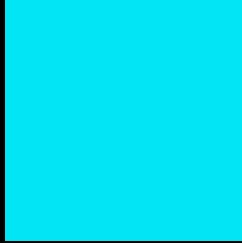
Large Text (above 18pt) WCAG AA × Fail

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 62.6376, 0.2190, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

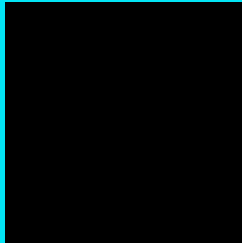
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6376, 0.2190, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 62.6376, 0.2190, 0.3081.

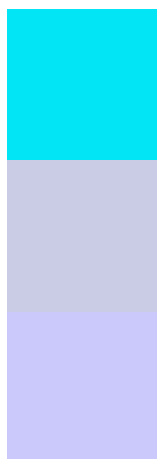


This preview shows how white text looks on a background with the Yxy color 62.6376, 0.2190, 0.3081.

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

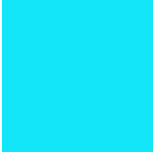
62.6441, 0.2190, 0.3081

Protanopia

61.3994, 0.2941, 0.3005

Deuteranopia

61.4348, 0.2807, 0.2741



Tritanopia

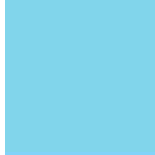
62.8732, 0.2190, 0.3057

Trichromacy



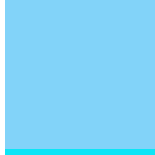
Original Color

62.6441, 0.2190, 0.3081



Protanomaly

58.2538, 0.2474, 0.3012



Deuteranomaly

58.1739, 0.2408, 0.2824



Tritanomaly

62.7706, 0.2191, 0.3069

Monochromacy



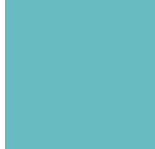
Original Color

62.6441, 0.2190, 0.3081



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.3340, 0.2502, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6376, 0.2190, 0.3081 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(2, 229, 245)` looks like.

```
.text, #text, p{  
    color:rgb(2, 229, 245)  
}
```

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(2, 229, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 229, 245) }
```

Border

The CSS property to change the border of an element to Yxy 62.6376, 0.2190, 0.3081 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(2, 229, 245) }
```

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

```
.border{ border-color:rgb(2, 229, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 229, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 229, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 229, 245);  
box-shadow:4px 4px 4px 4px rgb(2, 229,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6376, 0.2190, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 229, 245) }
```

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

```
.background{ background-color: rgb(2, 229,  
245) }
```

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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