

Converting Colors

$Y_{xy}(65.2930, 0.2226, 0.3394)$

Have a look what the booklet for
Yxy(65.2930, 0.2226, 0.3394)
contains.

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Color

Yxy(66.2255, 0.2276, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	01EDE5
RGB	1, 237, 229
RGB Percent	0%, 93%, 90%
CMY	0.9962, 0.0706, 0.1019
CMYK	1.00, 0.00, 0.03, 0.07
HSL	178°, 99%, 47%
HSV	178°, 100%, 93%
XYZ	44.4367, 66.2255, 84.5781
YIQ	165.5240, -138.0880, -52.5200

Conversions

Conversions Part 2

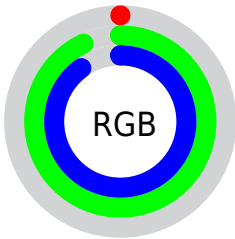
Format	Color
RYB	1, 121, 237
Decimal	126437
CIELab	85.11, -47.76, -9.52
CIELCh	85, 48.699, 191.273
Yxy	66.2255, 0.2276, 0.3392
Android (android.graphics.Color)	4278316517 (0xFF01EDE5)
YUV	165.5240, 31.2937, -144.2875
Hunter-Lab	81.3791, -44.9442, -4.6554

Details

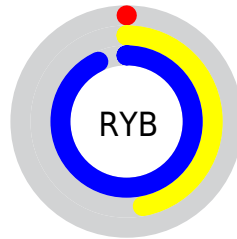
The Yxy color **66.2255, 0.2276, 0.3392** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.0436, 0.6369, 0.3285**, and the grayscale version is **37.7798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **35.6985, 0.2275, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **66.2200, 0.2276, 0.3392**, and if you desaturate by 10%, it is **66.4690, 0.2286, 0.3381**.

Distribution



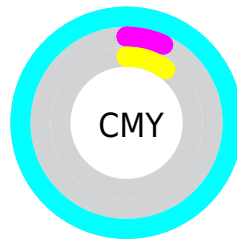
- Red (0%)
- Green (93%)
- Blue (90%)



- Red (0%)
- Yellow (47%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2255, 0.2276, 0.3392 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 66.2255, 0.2276, 0.3392 by changing the saturation by 10% instead.


 66.2255, 0.2276,
0.3392


 66.2255, 0.2276,
0.3392


447.1829, 0.2666,
0.3355


 48.4555, 0.2189,
0.3398


 113.8099, 0.2410,
0.3381


 34.1877, 0.2082,
0.3403


 144.3931, 0.2463,
0.3377

 23.0379, 0.1949,
0.3408


 180.0162, 0.2508,
0.3372

 14.6215, 0.1778,
0.3410

 221.0635, 0.2548,
0.3368

 8.5542, 0.1554,
0.3404

 267.9194, 0.2582,
0.3365

 4.4515, 0.1252,
0.3379

320.9683, 0.2613,

 1.9292, 0.0734,

0.3361

380.5947, 0.2641,
0.3358

0.3336

■ 0.5659, 0.0000,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 66.2255, 0.2276,
0.3392

■ 66.2255, 0.2276,
0.3392


■ 66.2200, 0.2276,
0.3392

■ 66.4690, 0.2286,
0.3381


■ 66.9488, 0.2310,
0.3370

■ 67.7368, 0.2353,
0.3359


■ 68.8760, 0.2415,
0.3348

 70.4023, 0.2496,
0.3337

 72.3473, 0.2596,
0.3326

 74.7395, 0.2712,
0.3316

 77.6047, 0.2842,
0.3307

 80.9669, 0.2984,
0.3298

Harmonies

Analogous

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



66.2255, 0.2717, 0.3999



66.2255, 0.2276, 0.3392



66.2255, 0.2064, 0.2826

Triad

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



66.2255, 0.2276, 0.3392



66.2255, 0.2866, 0.2436



66.2255, 0.4244, 0.4017

Complementary

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



66.2255, 0.2276, 0.3392



18.0436, 0.6369, 0.3285

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.



66.2255, 0.4321, 0.3569



66.2255, 0.2276, 0.3392



66.2255, 0.3479, 0.2707

Square

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



66.2255, 0.2276, 0.3392



66.2255, 0.2378, 0.2344



66.2255, 0.4034, 0.3107



66.2255, 0.3857, 0.4336

Rectangle

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



66.2255, 0.2276, 0.3392



66.2255, 0.2062, 0.2560



66.2255, 0.4034, 0.3107



66.2255, 0.4309, 0.3875

Sweetspot

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



66.2280, 0.2276, 0.3392



88.0988, 0.2706, 0.3317



60.6497, 0.3008, 0.5991



18.5892, 0.2655, 0.3321



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.



66.2280, 0.2276, 0.3392



78.1972, 0.2276, 0.3393



22.2928, 0.1815, 0.1730



17.1126, 0.2986, 0.3298



36.1605, 0.2275, 0.3391



2.8422, 0.2271, 0.3375

Inverse Universe

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



18.0436, 0.6369, 0.3285



21.2789, 0.6377, 0.3287



28.5568, 0.5570, 0.3956



15.0623, 0.3288, 0.3282



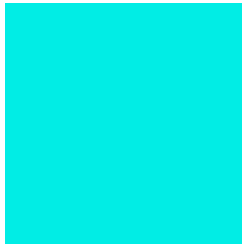
9.8432, 0.6364, 0.3280



0.7758, 0.6266, 0.3226

Previews

White Background



This preview shows how the Yxy color 66.2255, 0.2276, 0.3392 looks on a white background.

Color Contrast Check

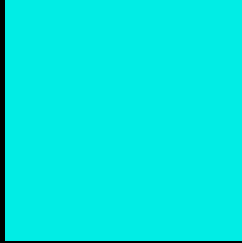
Large Text (above 18pt) WCAG AA × Fail

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 66.2255, 0.2276, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

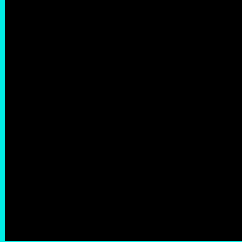
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2255, 0.2276, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 66.2255, 0.2276, 0.3392.

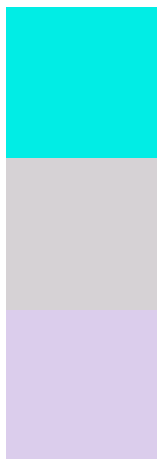


This preview shows how white text looks on a background with the Yxy color 66.2255, 0.2276, 0.3392.

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

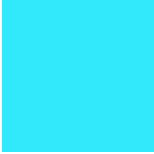
66.2320, 0.2276, 0.3392

Protanopia

65.1934, 0.3136, 0.3256

Deuteranopia

64.7788, 0.3018, 0.2953



Tritanopia

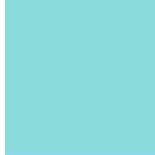
65.9842, 0.2220, 0.3050

Trichromacy



Original Color

66.2320, 0.2276, 0.3392



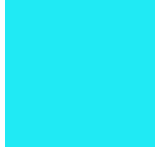
Protanomaly

61.6192, 0.2609, 0.3301



Deuteranomaly

61.0843, 0.2547, 0.3091



Tritanomaly

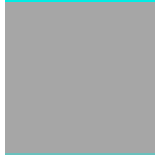
65.6844, 0.2230, 0.3160

Monochromacy



Original Color

66.2320, 0.2276, 0.3392



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.4376, 0.2548, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2255, 0.2276, 0.3392 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(1, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 237, 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(1, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 229) }
```

Border

The CSS property to change the border of an element to Yxy 66.2255, 0.2276, 0.3392 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(1, 237, 229) }
```

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

```
.border{ border-color:rgb(1, 237, 229) }
```

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

Here you see how a box with a 4 pixel rgb(1, 237, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(1, 237,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2255, 0.2276, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 237, 229) }
```

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

```
.background{ background-color: rgb(1, 237,  
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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