

Converting Colors

$Yxy(67.5598, 0.2422, 0.3335)$

Have a look what the booklet for
Yxy(67.5598, 0.2422, 0.3335)
contains.

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Color

Yxy(67.7829, 0.2422, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	62EBE7
RGB	98, 235, 231
RGB Percent	38%, 92%, 91%
CMY	0.6151, 0.0785, 0.0941
CMYK	0.58, 0.00, 0.02, 0.08
HSL	178°, 77%, 65%
HSV	178°, 58%, 92%
XYZ	49.1822, 67.7829, 86.0993
YIQ	193.5810, -80.3680, -30.2880

Conversions

Conversions Part 2

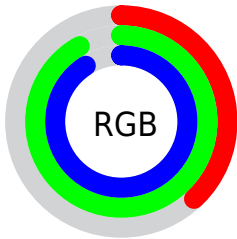
Format	Color
RYB	98, 168, 235
Decimal	6482919
CIELab	85.90, -37.80, -9.26
CIELCh	86, 38.918, 193.764
Yxy	67.7829, 0.2422, 0.3338
Android (android.graphics.Color)	4284672999 (0xFF62EBE7)
YUV	193.5810, 18.4476, -83.8245
Hunter-Lab	82.3304, -37.4465, -4.3729

Details

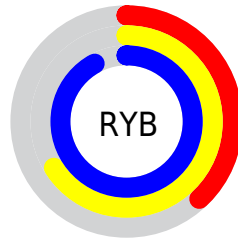
The Yxy color **67.7829, 0.2422, 0.3338** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **27.3868, 0.4877, 0.3254**, and the grayscale version is **53.6380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **35.3748, 0.2261, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **66.6237, 0.2357, 0.3348**, and if you desaturate by 10%, it is **69.3312, 0.2506, 0.3329**.

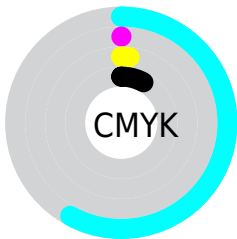
Distribution



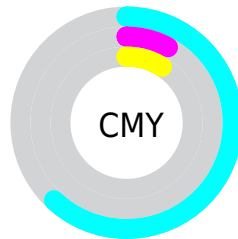
- Red (38%)
- Green (92%)
- Blue (91%)



- Red (38%)
- Yellow (66%)
- Blue (92%)



- Cyan (58%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)




- Cyan (62%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7829, 0.2422, 0.3338 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 67.7829, 0.2422, 0.3338 by changing the saturation by 10% instead.


 67.7829, 0.2422,
0.3338

 67.7829, 0.2422,
0.3338


452.7264, 0.2745,
0.3324

 49.7211, 0.2349,
0.3339


 116.0415, 0.2533,
0.3335

 35.1919, 0.2260,
0.3340


 147.0071, 0.2577,
0.3333

 23.8107, 0.2148,
0.3339


 183.0429, 0.2615,
0.3331

 15.1933, 0.2004,
0.3335

224.5331, 0.2647,
0.3329

 8.9551, 0.1813,
0.3324

271.8621, 0.2676,
0.3328

 4.7119, 0.1549,
0.3297

325.4144, 0.2702,

 2.0793, 0.1165,

0.3326

385.5744, 0.2725,
0.3325

0.3229

0.6529, 0.0000,
0.3158

0.0000, 0.0000,
0.0000

67.7829, 0.2422,
0.3338

67.7829, 0.2422,
0.3338

66.6237, 0.2357,
0.3348

69.3312, 0.2506,
0.3329

65.8111, 0.2311,
0.3357


71.2914, 0.2609,
0.3320


65.3071, 0.2284,
0.3367

73.6933, 0.2728,
0.3311


65.0538, 0.2273,
0.3376

76.5620, 0.2860,
0.3303

 65.0202, 0.2272,
0.3378

 79.9208, 0.3003,
0.3296

 83.7912, 0.3154,
0.3289

 86.7141, 0.3258,
0.3283

 86.7538, 0.3253,
0.3276

 86.7937, 0.3249,
0.3269

Harmonies

Analogous

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



67.7829, 0.2771, 0.3807



67.7829, 0.2422, 0.3338



67.7829, 0.2260, 0.2899

Triad

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



67.7829, 0.2422, 0.3338



67.7829, 0.2962, 0.2607



67.7829, 0.4005, 0.3915

Complementary

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



67.7829, 0.2422, 0.3338



27.3868, 0.4877, 0.3254

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.



67.7829, 0.4080, 0.3564



67.7829, 0.2422, 0.3338



67.7829, 0.3451, 0.2842

Square

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



67.7829, 0.2422, 0.3338



67.7829, 0.2552, 0.2522



67.7829, 0.3874, 0.3181



67.7829, 0.3687, 0.4136

Rectangle

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



67.7829, 0.2422, 0.3338



67.7829, 0.2267, 0.2689



67.7829, 0.3874, 0.3181



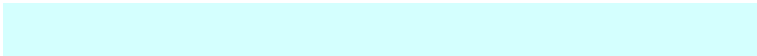
67.7829, 0.4060, 0.3807

Sweetspot

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



67.7855, 0.2422, 0.3338



92.6042, 0.2876, 0.3302



63.1617, 0.3061, 0.5158



19.6590, 0.2848, 0.3304



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.



67.7855, 0.2422, 0.3338



79.9673, 0.2346, 0.3349



37.7791, 0.2214, 0.2414



17.1139, 0.2985, 0.3297



36.1943, 0.2271, 0.3376



2.8445, 0.2268, 0.3363

Inverse Universe

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



27.3868, 0.4877, 0.3254



27.1025, 0.5451, 0.3256



44.3896, 0.4436, 0.3987



15.0611, 0.3288, 0.3284



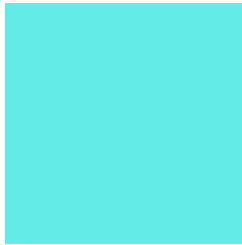
9.8413, 0.6369, 0.3282



0.7753, 0.6284, 0.3236

Previews

White Background



This preview shows how the Yxy color 67.7829, 0.2422, 0.3338 looks on a white background.

Color Contrast Check

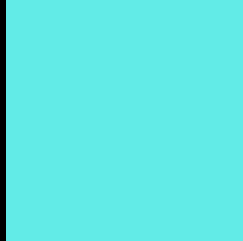
Large Text (above 18pt) WCAG AA × Fail

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 67.7829, 0.2422, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

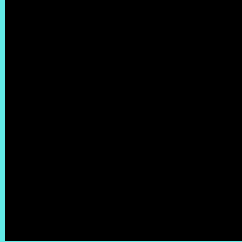
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7829, 0.2422, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 67.7829, 0.2422, 0.3338.

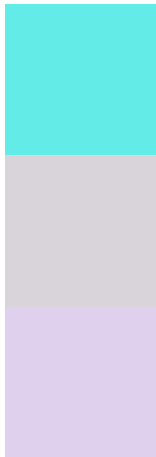


This preview shows how white text looks on a background with the Yxy color 67.7829, 0.2422, 0.3338.

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

67.7829, 0.2422, 0.3338

Protanopia

66.6957, 0.3122, 0.3234

Deuteranopia

66.9142, 0.3039, 0.2979



Tritanopia

67.7424, 0.2357, 0.3058

Trichromacy



Original Color

67.7829, 0.2422, 0.3338



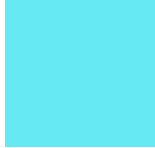
Protanomaly

65.3446, 0.2799, 0.3265



Deuteranomaly

65.6059, 0.2753, 0.3092



Tritanomaly

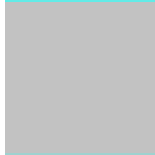
67.6930, 0.2378, 0.3153

Monochromacy



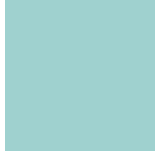
Original Color

67.7829, 0.2422, 0.3338



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.4769, 0.2789, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7829, 0.2422, 0.3338 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(98, 235, 231)` looks like.

```
.text, #text, p{  
    color:rgb(98, 235, 231)  
}
```

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(98, 235, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 235, 231) }
```

Border

The CSS property to change the border of an element to Yxy 67.7829, 0.2422, 0.3338 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(98, 235, 231) }
```

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

```
.border{ border-color:rgb(98, 235, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 235, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 235, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 235, 231);  
box-shadow:4px 4px 4px 4px rgb(98, 235,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7829, 0.2422, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 235, 231) }
```

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

```
.background{ background-color: rgb(98, 235,  
231) }
```

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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