

Converting Colors

$Yxy(69.8931, 0.2424, 0.3316)$

Have a look what the booklet for
Yxy(69.8931, 0.2424, 0.3316)
contains.

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Color

Yxy(70.0300, 0.2422, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	66EEEC
RGB	102, 238, 236
RGB Percent	40%, 93%, 93%
CMY	0.5997, 0.0667, 0.0746
CMYK	0.57, 0.00, 0.01, 0.07
HSL	179°, 80%, 67%
HSV	179°, 57%, 93%
XYZ	51.1961, 70.0300, 90.1533
YIQ	197.1080, -80.4140, -29.4540

Conversions

Conversions Part 2

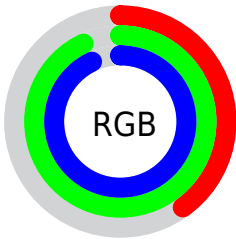
Format	Color
RYB	102, 171, 238
Decimal	6745836
CIELab	87.01, -37.19, -10.20
CIELCh	87, 38.567, 195.332
Yxy	70.0300, 0.2422, 0.3313
Android (android.graphics.Color)	4284935916 (0xFF66EEEC)
YUV	197.1080, 19.1738, -83.4097
Hunter-Lab	83.6839, -37.2443, -5.2948

Details

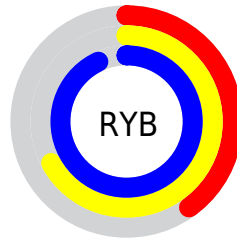
The Yxy color **70.0300, 0.2422, 0.3313** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.6948, 0.4852, 0.3274**, and the grayscale version is **55.8326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **36.8368, 0.2265, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **68.8143, 0.2354, 0.3318**, and if you desaturate by 10%, it is **71.6502, 0.2509, 0.3308**.

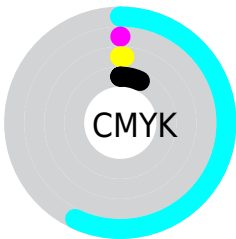
Distribution



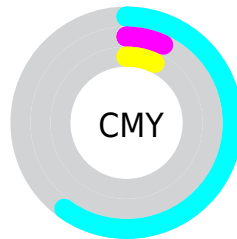
- Red (40%)
- Green (93%)
- Blue (93%)



- Red (40%)
- Yellow (67%)
- Blue (93%)



- Cyan (57%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




- Cyan (60%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0300, 0.2422, 0.3313 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 70.0300, 0.2422, 0.3313 by changing the saturation by 10% instead.

 70.0300, 0.2422,
0.3313


 70.0300, 0.2422,
0.3313


460.6553, 0.2743,
0.3311

 51.5510, 0.2350,
0.3312


 119.2515, 0.2532,
0.3314

 36.6473, 0.2262,
0.3309


 150.7629, 0.2575,
0.3314

 24.9345, 0.2153,
0.3303


 187.3871, 0.2613,
0.3313

 16.0283, 0.2012,
0.3294

229.5086, 0.2645,
0.3313

 9.5442, 0.1827,
0.3275

277.5117, 0.2674,
0.3312

 5.0978, 0.1572,
0.3238

331.7810, 0.2700,

 2.3048, 0.1209,

0.3312

392.7007, 0.2723,
0.3311

0.3156

0.7762, 0.0000,
0.3150

0.0000, 0.0000,
0.0000

70.0300, 0.2422,
0.3313

70.0300, 0.2422,
0.3313

68.8143, 0.2354,
0.3318

71.6502, 0.2509,
0.3308

67.9600, 0.2305,
0.3323


73.6979, 0.2615,
0.3304

67.4284, 0.2275,
0.3327

76.2037, 0.2737,
0.3300


67.1660, 0.2262,
0.3332

79.1934, 0.2872,
0.3296

 67.1158, 0.2259,
0.3333

 82.6905, 0.3018,
0.3292

 86.7173, 0.3172,
0.3289

 88.6094, 0.3238,
0.3286

 88.6304, 0.3236,
0.3282

 88.6514, 0.3233,
0.3279

Harmonies

Analogous

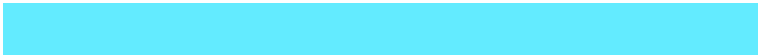
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0300, 0.2757, 0.3775



70.0300, 0.2422, 0.3313



70.0300, 0.2273, 0.2889

Triad

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



70.0300, 0.2422, 0.3313



70.0300, 0.2990, 0.2628



70.0300, 0.3977, 0.3920

Complementary

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



70.0300, 0.2422, 0.3313



28.6948, 0.4852, 0.3274

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.



70.0300, 0.4064, 0.3579



70.0300, 0.2422, 0.3313



70.0300, 0.3470, 0.2866

Square

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



70.0300, 0.2422, 0.3313



70.0300, 0.2580, 0.2536



70.0300, 0.3876, 0.3203



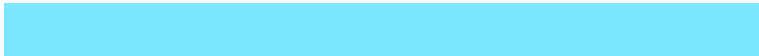
70.0300, 0.3656, 0.4125

Rectangle

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



70.0300, 0.2422, 0.3313



70.0300, 0.2287, 0.2688



70.0300, 0.3876, 0.3203



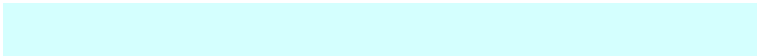
70.0300, 0.4036, 0.3816

Sweetspot

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



70.0327, 0.2422, 0.3313



92.6435, 0.2873, 0.3296



65.0731, 0.3051, 0.5128



19.6684, 0.2845, 0.3297



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.



70.0327, 0.2422, 0.3313



80.2365, 0.2342, 0.3319



38.6211, 0.2222, 0.2402



17.9247, 0.2983, 0.3293



37.4455, 0.2259, 0.3333



3.1164, 0.2257, 0.3326

Inverse Universe

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



28.6948, 0.4852, 0.3274



27.4634, 0.5434, 0.3276



47.0578, 0.4388, 0.4000



15.7627, 0.3291, 0.3287



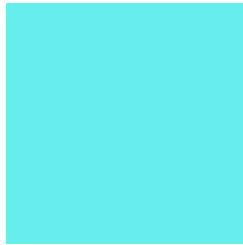
10.1470, 0.6385, 0.3291



0.8455, 0.6343, 0.3268

Previews

White Background



This preview shows how the Yxy color 70.0300, 0.2422, 0.3313 looks on a white background.

Color Contrast Check

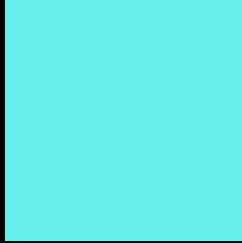
Large Text (above 18pt) WCAG AA × Fail

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 70.0300, 0.2422, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

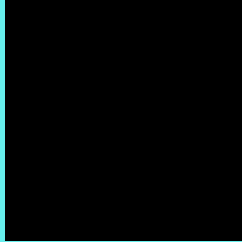
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0300, 0.2422, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 70.0300, 0.2422, 0.3313.

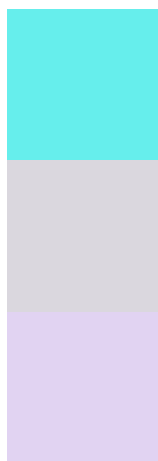


This preview shows how white text looks on a background with the Yxy color 70.0300, 0.2422, 0.3313.

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

70.0300, 0.2422, 0.3313

Protanopia

68.7802, 0.3102, 0.3213

Deuteranopia

69.0069, 0.3020, 0.2962



Tritanopia

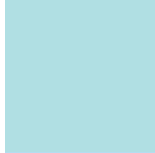
69.8236, 0.2363, 0.3061

Trichromacy



Original Color

70.0300, 0.2422, 0.3313



Protanomaly

67.5515, 0.2791, 0.3242



Deuteranomaly

67.7075, 0.2740, 0.3072



Tritanomaly

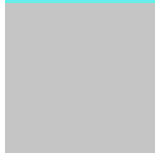
69.7705, 0.2384, 0.3154

Monochromacy



Original Color

70.0300, 0.2422, 0.3313



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.4715, 0.2787, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0300, 0.2422, 0.3313 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(102, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(102, 238, 236)  
}
```

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(102, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 238, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.0300, 0.2422, 0.3313 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(102, 238, 236) }
```

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

```
.border{ border-color:rgb(102, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(102, 238,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0300, 0.2422, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 238, 236) }
```

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

```
.background{ background-color: rgb(102,  
238, 236) }
```

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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