

Converting Colors

$Y_{xy}(69.0993, 0.2322, 0.3300)$

Have a look what the booklet for
Yxy(69.0993, 0.2322, 0.3300)
contains.

Yxy(69.0993, 0.2322, 0.3300)	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(69.0993, 0.2322, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	43EFEE
RGB	67, 239, 238
RGB Percent	26%, 94%, 93%
CMY	0.7368, 0.0628, 0.0666
CMYK	0.72, 0.00, 0.00, 0.06
HSL	180°, 84%, 60%
HSV	180°, 72%, 94%
XYZ	48.6208, 69.0993, 91.6717
YIQ	187.4580, -102.1910, -36.7750

Conversions

Conversions Part 2

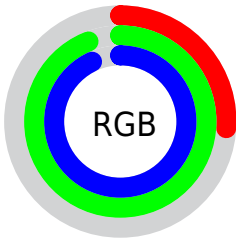
Format	Color
RYB	67, 153, 239
Decimal	4452334
CIELab	86.55, -42.16, -12.04
CIELCh	87, 43.843, 195.934
Yxy	69.0993, 0.2322, 0.3300
Android (android.graphics.Color)	4282642414 (0xFF43EFEE)
YUV	187.4580, 24.9172, -105.6417
Hunter-Lab	83.1260, -41.0650, -7.1971

Details

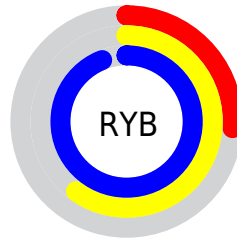
The Yxy color **69.0993, 0.2322, 0.3300** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.7977, 0.5578, 0.3290**, and the grayscale version is **49.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **36.8333, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **68.4146, 0.2282, 0.3302**, and if you desaturate by 10%, it is **70.1376, 0.2381, 0.3298**.

Distribution



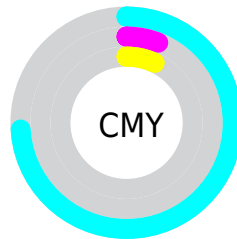
- Red (26%)
- Green (94%)
- Blue (93%)



- Red (26%)
- Yellow (60%)
- Blue (94%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)




- Cyan (74%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0993, 0.2322, 0.3300 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 69.0993, 0.2322, 0.3300 by changing the saturation by 10% instead.


 69.0993, 0.2322,
0.3300


 69.0993, 0.2322,
0.3300

457.3811, 0.2688,
0.3306


 50.7926, 0.2241,
0.3296


 117.9234, 0.2447,
0.3304

 36.0436, 0.2142,
0.3289


 149.2096, 0.2496,
0.3305

 24.4678, 0.2018,
0.3279


 185.5910, 0.2539,
0.3306

 15.6810, 0.1861,
0.3261

 227.4521, 0.2576,
0.3306

 9.2987, 0.1655,
0.3231

275.1773, 0.2609,
0.3307

 4.9365, 0.1378,
0.3173

329.1509, 0.2638,

 2.2101, 0.0985,

0.3307

389.7574, 0.2664,
0.3307

0.3056

0.7255, 0.0000,
0.2876

0.0000, 0.0000,
0.0000

69.0993, 0.2322,
0.3300

69.0993, 0.2322,
0.3300

68.4146, 0.2282,
0.3302

70.1376, 0.2381,
0.3298

68.0299, 0.2260,
0.3304

71.5600, 0.2460,
0.3297


67.8816, 0.2251,
0.3305

73.4021, 0.2558,
0.3295


75.6937, 0.2673,
0.3294

 78.4617, 0.2803,
0.3292

 81.7309, 0.2946,
0.3291

 85.5245, 0.3097,
0.3290

 89.2287, 0.3233,
0.3289

 89.2368, 0.3232,
0.3288

Harmonies

Analogous

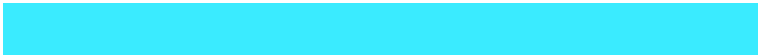
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0993, 0.2693, 0.3838



69.0993, 0.2322, 0.3300



69.0993, 0.2162, 0.2819

Triad

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



69.0993, 0.2322, 0.3300



69.0993, 0.2978, 0.2549



69.0993, 0.4087, 0.4003

Complementary

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



69.0993, 0.2322, 0.3300



22.7977, 0.5578, 0.3290

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.



69.0993, 0.4198, 0.3616



69.0993, 0.2322, 0.3300



69.0993, 0.3527, 0.2817

Square

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



69.0993, 0.2322, 0.3300



69.0993, 0.2514, 0.2440



69.0993, 0.3990, 0.3194



69.0993, 0.3714, 0.4245

Rectangle

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



69.0993, 0.2322, 0.3300



69.0993, 0.2182, 0.2599



69.0993, 0.3990, 0.3194



69.0993, 0.4158, 0.3884

Sweetspot

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



69.1019, 0.2322, 0.3300



90.8478, 0.2801, 0.3292



63.4389, 0.3029, 0.5584



19.2469, 0.2764, 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.



69.1019, 0.2322, 0.3300



79.0291, 0.2270, 0.3303



31.1810, 0.2025, 0.2120



17.9273, 0.2982, 0.3291



37.5152, 0.2251, 0.3305



3.1214, 0.2251, 0.3302

Inverse Universe

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



22.7977, 0.5578, 0.3290



22.6370, 0.6140, 0.3294



40.6318, 0.4810, 0.4111



15.7603, 0.3293, 0.3289



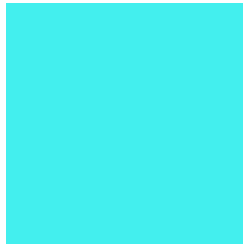
10.1433, 0.6395, 0.3296



0.8443, 0.6378, 0.3287

Previews

White Background



This preview shows how the Yxy color 69.0993, 0.2322, 0.3300 looks on a white background.

Color Contrast Check

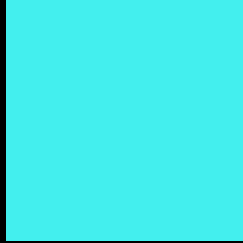
Large Text (above 18pt) WCAG AA × Fail

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 69.0993, 0.2322, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

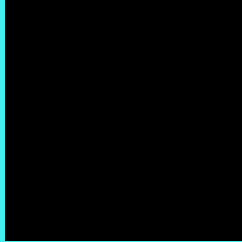
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

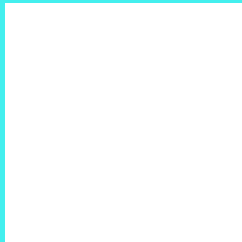
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0993, 0.2322, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 69.0993, 0.2322, 0.3300.

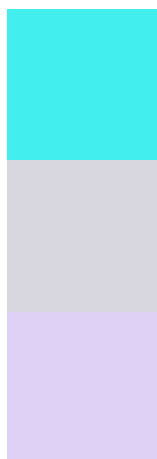


This preview shows how white text looks on a background with the Yxy color 69.0993, 0.2322, 0.3300.

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

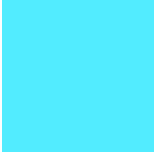
69.0993, 0.2322, 0.3300

Protanopia

67.9660, 0.3088, 0.3202

Deuteranopia

67.7231, 0.2980, 0.2907



Tritanopia

69.0047, 0.2282, 0.3057

Trichromacy



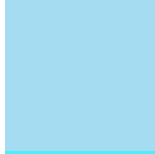
Original Color

69.0993, 0.2322, 0.3300



Protanomaly

66.0582, 0.2703, 0.3229



Deuteranomaly

65.7042, 0.2646, 0.3032



Tritanomaly

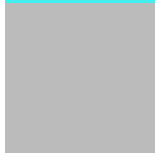
68.9857, 0.2296, 0.3140

Monochromacy



Original Color

69.0993, 0.2322, 0.3300



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.4385, 0.2691, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0993, 0.2322, 0.3300 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(67, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(67, 239, 238)  
}
```

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(67, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 239, 238) }
```

Border

The CSS property to change the border of an element to Yxy 69.0993, 0.2322, 0.3300 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(67, 239, 238) }
```

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

```
.border{ border-color:rgb(67, 239, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 239, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 239, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 239, 238); box-shadow:4px 4px 4px 4px rgb(67, 239, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0993, 0.2322, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 239, 238) }
```

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

```
.background{ background-color: rgb(67, 239,  
238) }
```

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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