

Converting Colors

$Y_{xy}(66.0166, 0.2253, 0.3293)$

Have a look what the booklet for
Yxy(66.0166, 0.2253, 0.3293)
contains.

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Color

Yxy(66.0672, 0.2255, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	0CECEB
RGB	12, 236, 235
RGB Percent	5%, 93%, 92%
CMY	0.9526, 0.0745, 0.0783
CMYK	0.95, 0.00, 0.00, 0.07
HSL	180°, 90%, 49%
HSV	180°, 95%, 93%
XYZ	45.1459, 66.0672, 88.9905
YIQ	168.9100, -133.1830, -47.7990

Conversions

Conversions Part 2

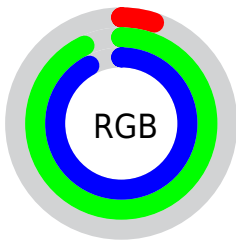
Format	Color
RYB	12, 124, 236
Decimal	847083
CIELab	85.03, -45.36, -12.80
CIELCh	85, 47.130, 195.761
Yxy	66.0672, 0.2255, 0.3300
Android (android.graphics.Color)	4279037163 (0xFF0CECEB)
YUV	168.9100, 32.5824, -137.6101
Hunter-Lab	81.2817, -43.0996, -8.0159

Details

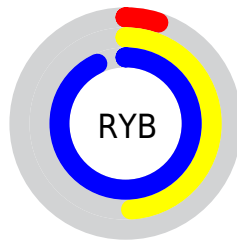
The Yxy color **66.0672, 0.2255, 0.3300** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.1272, 0.6330, 0.3297**, and the grayscale version is **39.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **35.4949, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **65.9878, 0.2250, 0.3301**, and if you desaturate by 10%, it is **66.3663, 0.2273, 0.3299**.

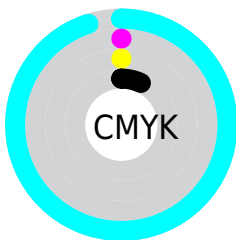
Distribution



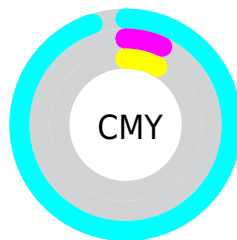
- Red (5%)
- Green (93%)
- Blue (92%)



- Red (5%)
- Yellow (49%)
- Blue (93%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)




- Cyan (95%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.0672, 0.2255, 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 66.0672, 0.2255, 0.3300 by changing the saturation by 10% instead.


 66.0672, 0.2255,
0.3300


 66.0672, 0.2255,
0.3300


446.6172, 0.2653,
0.3308


 48.3270, 0.2166,
0.3295


 113.5828, 0.2391,
0.3306


 34.0859, 0.2058,
0.3287


 144.1269, 0.2445,
0.3307


 22.9596, 0.1923,
0.3274


 179.7078, 0.2491,
0.3308

 14.5637, 0.1752,
0.3252

 220.7098, 0.2532,
0.3308

 8.5137, 0.1528,
0.3213

 267.5173, 0.2568,
0.3308

 4.4254, 0.1227,
0.3141

320.5148, 0.2599,

 1.9143, 0.0746,

0.3309

380.0866, 0.2627,
0.3308

0.3012

0.5569, 0.0000,
0.2573

0.0000, 0.0000,
0.0000

66.0672, 0.2255,
0.3300

66.0672, 0.2255,
0.3300

65.9878, 0.2250,
0.3301

66.3663, 0.2273,
0.3299

66.9414, 0.2308,
0.3297

67.8426, 0.2361,
0.3296

69.1088, 0.2434,
0.3295

70.7734, 0.2527,
0.3294

72.8661, 0.2637,
0.3293

75.4136, 0.2763,
0.3292

78.4406, 0.2902,
0.3291

81.9699, 0.3052,
0.3290

Harmonies

Analogous

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



66.0672, 0.2655, 0.3895



66.0672, 0.2255, 0.3300



66.0672, 0.2084, 0.2775

Triad

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



66.0672, 0.2255, 0.3300



66.0672, 0.2959, 0.2489



66.0672, 0.4171, 0.4056

Complementary

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



66.0672, 0.2255, 0.3300



18.1272, 0.6330, 0.3297

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.



66.0672, 0.4295, 0.3633



66.0672, 0.2255, 0.3300



66.0672, 0.3558, 0.2775

Square

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



66.0672, 0.2255, 0.3300



66.0672, 0.2459, 0.2371



66.0672, 0.4068, 0.3179



66.0672, 0.3763, 0.4330

Rectangle

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



66.0672, 0.2255, 0.3300



66.0672, 0.2105, 0.2539



66.0672, 0.4068, 0.3179



66.0672, 0.4249, 0.3924

Sweetspot

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



66.0697, 0.2255, 0.3300



88.8611, 0.2720, 0.3292



60.1264, 0.3004, 0.5967



18.7404, 0.2666, 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.



66.0697, 0.2255, 0.3300



78.6689, 0.2250, 0.3301



21.5151, 0.1813, 0.1697



17.1207, 0.2982, 0.3291



36.3742, 0.2250, 0.3300



2.8566, 0.2250, 0.3299

Inverse Universe

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



18.1272, 0.6330, 0.3297



21.2624, 0.6398, 0.3298



31.3680, 0.5378, 0.4074



15.0551, 0.3292, 0.3289



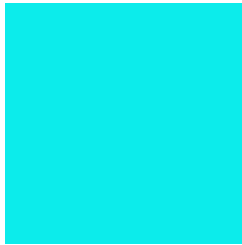
9.8315, 0.6396, 0.3297



0.7724, 0.6383, 0.3290

Previews

White Background



This preview shows how the Yxy color 66.0672, 0.2255, 0.3300 looks on a white background.

Color Contrast Check

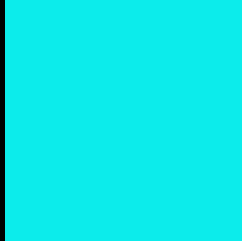
Large Text (above 18pt) WCAG AA × Fail

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 66.0672, 0.2255, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

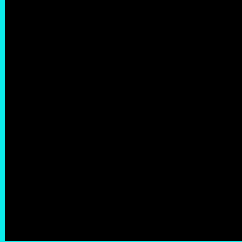
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.0672, 0.2255, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 66.0672, 0.2255, 0.3300.

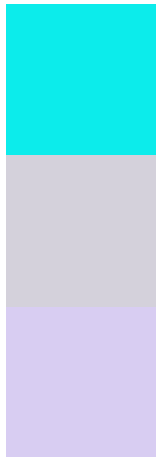


This preview shows how white text looks on a background with the Yxy color 66.0672, 0.2255, 0.3300.

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

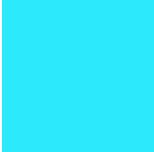
66.0672, 0.2255, 0.3300

Protanopia

64.7125, 0.3081, 0.3178

Deuteranopia

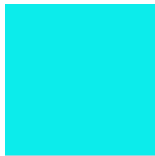
64.6724, 0.2956, 0.2889



Tritanopia

65.8640, 0.2213, 0.3050

Trichromacy



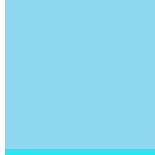
Original Color

66.0672, 0.2255, 0.3300



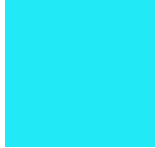
Protanomaly

61.5882, 0.2586, 0.3213



Deuteranomaly

61.0945, 0.2525, 0.3008



Tritanomaly

65.8228, 0.2224, 0.3135

Monochromacy



Original Color

66.0672, 0.2255, 0.3300



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.4349, 0.2560, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.0672, 0.2255, 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(12, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(12, 236, 235)  
}
```

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(12, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 236, 235) }
```

Border

The CSS property to change the border of an element to Yxy 66.0672, 0.2255, 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(12, 236, 235) }
```

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

```
.border{ border-color:rgb(12, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(12, 236,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 66.0672, 0.2255, 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(12, 236, 235) }
```

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

```
.background{ background-color: rgb(12, 236,  
235) }
```

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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