

# Converting Colors

$Y_{xy}(69.8279, 0.2505, 0.3627)$

Have a look what the booklet for  
Yxy(69.8279, 0.2505, 0.3627)  
contains.

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# Color

**Yxy(69.6620, 0.2502, 0.3622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60F0D6
RGB	96, 240, 214
RGB Percent	38%, 94%, 84%
CMY	0.6237, 0.0588, 0.1607
CMYK	0.60, 0.00, 0.11, 0.06
HSL	169°, 83%, 66%
HSV	169°, 60%, 94%
XYZ	48.1210, 69.6620, 74.5472
YIQ	193.9800, -77.4780, -38.6140

# Conversions

## Conversions Part 2

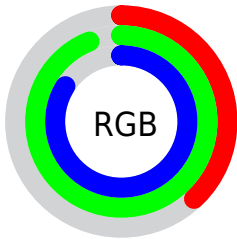
Format	Color
R <sub>YB</sub>	96, 175, 240
Decimal	6353110
CIE Lab	86.83, -44.73, 1.02
CIE LCh	87, 44.741, 178.692
Yxy	69.6620, 0.2502, 0.3622
Android (android.graphics.Color)	4284543190 (0xFF60F0D6)
YUV	193.9800, 9.8699, -85.9285
Hunter-Lab	83.4638, -43.1474, 5.4687

# Details

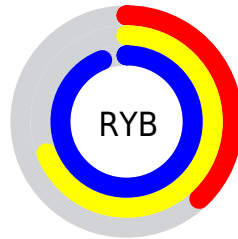
The Yxy color **69.6620, 0.2502, 0.3622** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **28.2886, 0.4667, 0.3027**, and the grayscale version is **53.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **36.3702, 0.2363, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **68.3379, 0.2451, 0.3687**, and if you desaturate by 10%, it is **71.3945, 0.2572, 0.3558**.

# Distribution



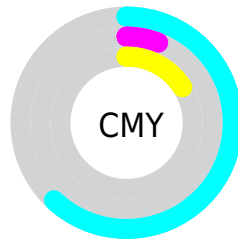
- Red (38%)
- Green (94%)
- Blue (84%)



- Red (38%)
- Yellow (69%)
- Blue (94%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)




- Cyan (62%)
- Magenta (6%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6620, 0.2502, 0.3622 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 69.6620, 0.2502, 0.3622 by changing the saturation by 10% instead.




 69.6620, 0.2502,  
0.3622


 69.6620, 0.2502,  
0.3622


459.3623, 0.2792,  
0.3467

 51.2510, 0.2436,  
0.3657

 118.7266, 0.2602,  
0.3568


 36.4084, 0.2354,  
0.3701


 150.1491, 0.2642,  
0.3547

 24.7498, 0.2252,  
0.3757


 186.6774, 0.2675,  
0.3529

 15.8907, 0.2118,  
0.3829

 228.6962, 0.2705,  
0.3514

 9.4469, 0.1937,  
0.3928

276.5896, 0.2730,  
0.3500

 5.0338, 0.1682,  
0.4069

330.7422, 0.2753,

 2.2671, 0.1285,

0.3488

0.4291

391.5383, 0.2774,  
0.3477

0.7562, 0.0000,  
0.5014

0.0000, 0.0000,  
0.0000

69.6620, 0.2502,  
0.3622

69.6620, 0.2502,  
0.3622

68.3379, 0.2451,  
0.3687

71.3945, 0.2572,  
0.3558

67.3767, 0.2420,  
0.3753


73.5602, 0.2659,  
0.3497


66.7363, 0.2408,  
0.3818


76.1911, 0.2761,  
0.3439


66.3421, 0.2412,  
0.3883


79.3141, 0.2875,  
0.3385

 82.9539, 0.2998,  
0.3335

 87.1337, 0.3127,  
0.3290

 90.1349, 0.3200,  
0.3248

 90.4014, 0.3173,  
0.3207

 90.6741, 0.3146,  
0.3165

# Harmonies

## Analogous

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



69.6620, 0.2973, 0.4099



69.6620, 0.2502, 0.3622



69.6620, 0.2212, 0.3073

# Triad

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



69.6620, 0.2502, 0.3622



69.6620, 0.2685, 0.2451



69.6620, 0.4207, 0.3797

# Complementary

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



69.6620, 0.2502, 0.3622



28.2886, 0.4667, 0.3027

# 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.



69.6620, 0.4135, 0.3373



69.6620, 0.2502, 0.3622



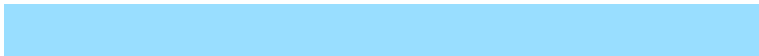
69.6620, 0.3211, 0.2636

# Square

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



69.6620, 0.2502, 0.3622



69.6620, 0.2312, 0.2450



69.6620, 0.3757, 0.2962



69.6620, 0.3968, 0.4146



# Rectangle

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



69.6620, 0.2502, 0.3622



69.6620, 0.2143, 0.2773



69.6620, 0.3757, 0.2962



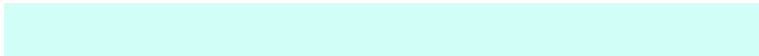
69.6620, 0.4220, 0.3659

# Sweetspot

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



69.6647, 0.2502, 0.3622



91.7882, 0.2899, 0.3375



67.3319, 0.3167, 0.5157



19.4024, 0.2864, 0.3390



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.



69.6647, 0.2502, 0.3622



78.1429, 0.2442, 0.3702



47.5345, 0.2256, 0.2686



17.8772, 0.3005, 0.3333



36.3329, 0.2409, 0.3873



3.0352, 0.2385, 0.3787



# Inverse Universe

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



28.2886, 0.4667, 0.3027



26.8274, 0.5182, 0.3019



38.5900, 0.4661, 0.3774



15.8054, 0.3265, 0.3248



10.2514, 0.6124, 0.3147

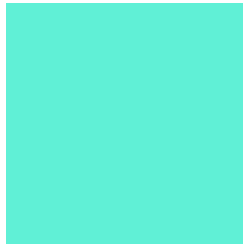


0.8658, 0.5782, 0.2959



# Previews

## White Background



This preview shows how the Yxy color 69.6620, 0.2502, 0.3622 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

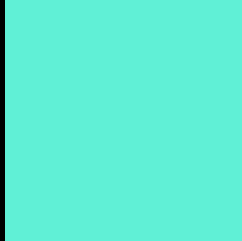
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6620, 0.2502, 0.3622 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

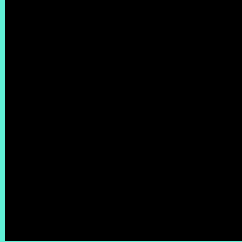
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6620, 0.2502, 0.3622**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6620, 0.2502, 0.3622.

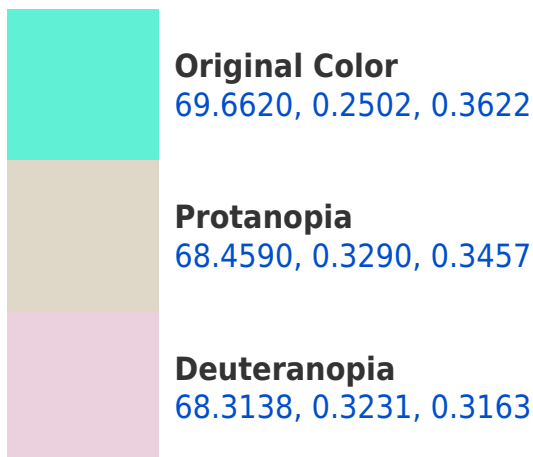


This preview shows how white text looks on a background with the Yxy color 69.6620, 0.2502, 0.3622.

# 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





## Tritanopia

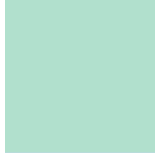
69.3170, 0.2371, 0.3060

# Trichromacy



## Original Color

69.6620, 0.2502, 0.3622



## Protanomaly

67.0662, 0.2927, 0.3518



## Deuteranomaly

66.4387, 0.2893, 0.3313



## Tritanomaly

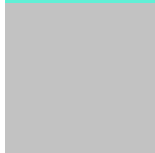
69.2871, 0.2417, 0.3251

# Monochromacy



## Original Color

69.6620, 0.2502, 0.3622



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

58.0747, 0.2821, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6620, 0.2502, 0.3622 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(96, 240, 214)` looks like.

```
.text, #text, p{  
    color:rgb(96, 240, 214)  
}
```

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(96, 240, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 240, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6620, 0.2502, 0.3622 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(96, 240, 214) }
```

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

```
.border{ border-color:rgb(96, 240, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 240, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 240, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 240, 214);  
box-shadow:4px 4px 4px 4px rgb(96, 240,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6620, 0.2502, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 240, 214) }
```

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

```
.background{ background-color: rgb(96, 240,  
214) }
```

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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