

# Converting Colors

$Y_{xy}(72.8199, 0.2620, 0.3399)$

Have a look what the booklet for  
Yxy(72.8199, 0.2620, 0.3399)  
contains.

<b>Yxy(72.6459, 0.2620, 0.3396)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(72.6459, 0.2620, 0.3396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FEEE5
RGB	143, 238, 229
RGB Percent	56%, 93%, 90%
CMY	0.4393, 0.0666, 0.1018
CMYK	0.40, 0.00, 0.04, 0.07
HSL	174°, 74%, 75%
HSV	174°, 40%, 93%
XYZ	56.0460, 72.6459, 85.2242
YIQ	208.5690, -53.7310, -22.9390

# Conversions

## Conversions Part 2

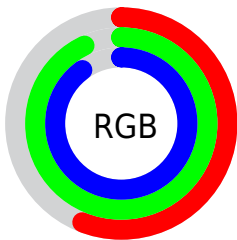
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 193, 238
Decimal	9432805
CIELab	88.28, -30.20, -4.53
CIELCh	88, 30.533, 188.524
Yxy	72.6459, 0.2620, 0.3396
Android (android.graphics.Color)	4287622885 (0xFF8FEEE5)
YUV	208.5690, 10.0725, -57.5040
Hunter-Lab	85.2326, -31.7815, 0.3786

# Details

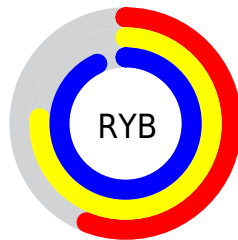
The Yxy color **72.6459, 0.2620, 0.3396** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.0815, 0.4041, 0.3192**, and the grayscale version is **63.4244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **38.4903, 0.2503, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **70.6209, 0.2525, 0.3427**, and if you desaturate by 10%, it is **75.1288, 0.2730, 0.3367**.

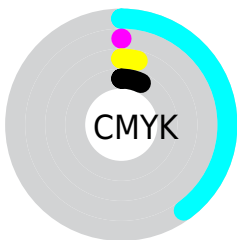
# Distribution



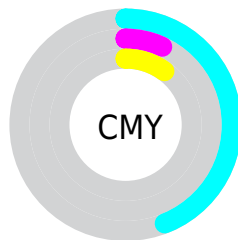
- Red (56%)
- Green (93%)
- Blue (90%)



- Red (56%)
- Yellow (76%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)




- Cyan (44%)
- Magenta (7%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6459, 0.2620, 0.3396 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 72.6459, 0.2620, 0.3396 by changing the saturation by 10% instead.





 72.6459, 0.2620,  
0.3396


 72.6459, 0.2620,  
0.3396


469.7866, 0.2852,  
0.3350

 53.6865, 0.2568,  
0.3406


 122.9744, 0.2700,  
0.3381

 38.3511, 0.2503,  
0.3417

 155.1122, 0.2731,  
0.3375

 26.2553, 0.2423,  
0.3431


192.4117, 0.2758,  
0.3369

 17.0147, 0.2318,  
0.3448

235.2571, 0.2782,  
0.3365

 10.2450, 0.2178,  
0.3469

284.0329, 0.2803,  
0.3360

 5.5617, 0.1982,  
0.3495

339.1235, 0.2821,

 2.5804, 0.1687,

0.3357

400.9133, 0.2837,  
0.3353

0.3524

0.9168, 0.0556,  
0.3806

0.0000, 0.0000,  
0.0000

72.6459, 0.2620,  
0.3396

72.6459, 0.2620,  
0.3396

70.6209, 0.2525,  
0.3427

75.1288, 0.2730,  
0.3367

69.0165, 0.2449,  
0.3459

78.0872, 0.2854,  
0.3339


67.8034, 0.2391,  
0.3491

81.5482, 0.2987,  
0.3313

66.9450, 0.2354,  
0.3524


85.5344, 0.3128,  
0.3290


 66.3977, 0.2334,  
0.3556

 88.7189, 0.3226,  
0.3268


 66.0883, 0.2330,  
0.3588

 88.8534, 0.3212,  
0.3246

 66.0863, 0.2330,  
0.3589

 88.9895, 0.3198,  
0.3225

 89.1274, 0.3184,  
0.3203

 89.2668, 0.3170,  
0.3181

# Harmonies

## Analogous

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



72.6459, 0.2916, 0.3732



72.6459, 0.2620, 0.3396



72.6459, 0.2461, 0.3050

# Triad

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



72.6459, 0.2620, 0.3396



72.6459, 0.2941, 0.2733



72.6459, 0.3828, 0.3741

# Complementary

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



72.6459, 0.2620, 0.3396



40.0815, 0.4041, 0.3192

# 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.



72.6459, 0.3843, 0.3462



72.6459, 0.2620, 0.3396



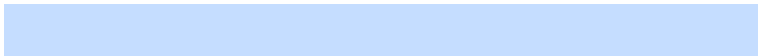
72.6459, 0.3314, 0.2901

# Square

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



72.6459, 0.2620, 0.3396



72.6459, 0.2637, 0.2692



72.6459, 0.3651, 0.3161



72.6459, 0.3617, 0.3923

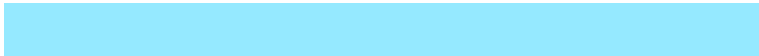


# Rectangle

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



72.6459, 0.2620, 0.3396



72.6459, 0.2446, 0.2868



72.6459, 0.3651, 0.3161



72.6459, 0.3857, 0.3655

# Sweetspot

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



72.6488, 0.2620, 0.3396



94.4667, 0.2958, 0.3319



69.8562, 0.3127, 0.4497



20.1024, 0.2941, 0.3322



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.



72.6488, 0.2620, 0.3396



82.9724, 0.2541, 0.3421



53.3169, 0.2503, 0.2815



17.9017, 0.2993, 0.3312



36.8784, 0.2329, 0.3584



3.0754, 0.2317, 0.3541



# Inverse Universe

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



40.0815, 0.4041, 0.3192



39.9439, 0.4340, 0.3174



53.2037, 0.3962, 0.3715



15.7831, 0.3278, 0.3268



10.1825, 0.6293, 0.3240

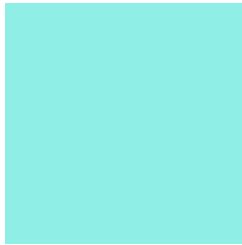


0.8552, 0.6056, 0.3110



# Previews

## White Background



This preview shows how the Yxy color 72.6459, 0.2620, 0.3396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

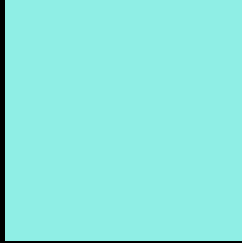
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6459, 0.2620, 0.3396 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

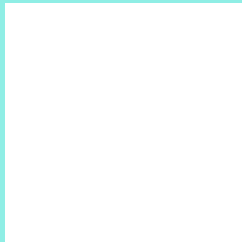
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6459, 0.2620, 0.3396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6459, 0.2620, 0.3396.

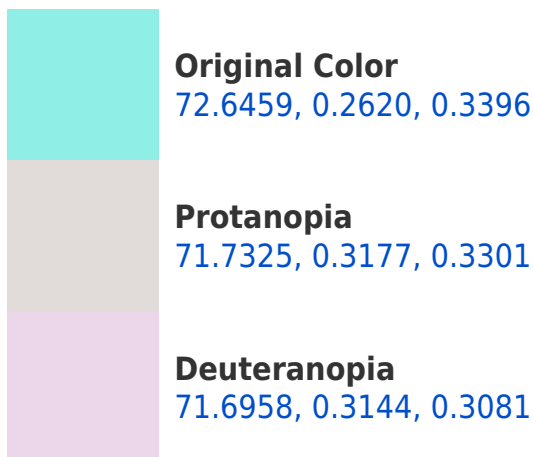


This preview shows how white text looks on a background with the Yxy color 72.6459, 0.2620, 0.3396.

# 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

72.3270, 0.2527, 0.3070

# Trichromacy



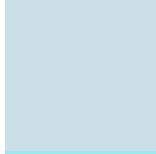
## Original Color

72.6459, 0.2620, 0.3396



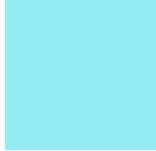
## Protanomaly

71.2687, 0.2943, 0.3335



## Deuteranomaly

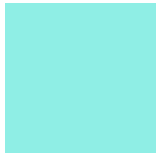
71.1581, 0.2927, 0.3189



## Tritanomaly

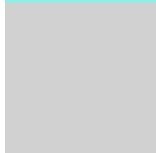
72.1514, 0.2562, 0.3183

# Monochromacy



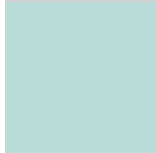
## Original Color

72.6459, 0.2620, 0.3396



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.4586, 0.2912, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6459, 0.2620, 0.3396 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(143, 238, 229)` looks like.

```
.text, #text, p{  
    color:rgb(143, 238, 229)  
}
```

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(143, 238, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 238, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6459, 0.2620, 0.3396 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(143, 238, 229) }
```

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

```
.border{ border-color:rgb(143, 238, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 238, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 238, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 238, 229);  
box-shadow:4px 4px 4px 4px rgb(143, 238,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6459, 0.2620, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 238, 229) }
```

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

```
.background{ background-color: rgb(143,  
238, 229) }
```

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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