

# Converting Colors

$Yxy(72.3655, 0.2637, 0.3508)$

Have a look what the booklet for  
Yxy(72.3655, 0.2637, 0.3508)  
contains.

<b>Yxy(72.3567, 0.2637, 0.3508)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.3567, 0.2637, 0.3508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AEFDD
RGB	138, 239, 221
RGB Percent	54%, 94%, 87%
CMY	0.4591, 0.0627, 0.1333
CMYK	0.42, 0.00, 0.08, 0.06
HSL	169°, 76%, 74%
HSV	169°, 42%, 94%
XYZ	54.3913, 72.3567, 79.5140
YIQ	206.7490, -54.4180, -27.0100

# Conversions

## Conversions Part 2

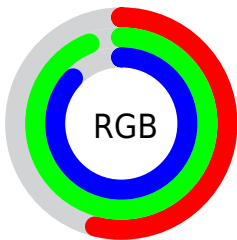
Format	Color
R <sub>Y</sub> B	138, 193, 239
Decimal	9105373
CIE Lab	88.14, -33.77, -0.55
CIE LCh	88, 33.770, 180.938
Yxy	72.3567, 0.2637, 0.3508
Android (android.graphics.Color)	4287295453 (0xFF8AEFDD)
YUV	206.7490, 7.0257, -60.2929
Hunter-Lab	85.0627, -34.7224, 4.1215

# Details

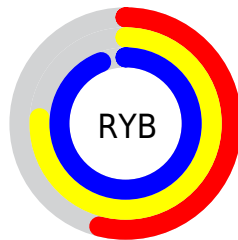
The Yxy color **72.3567, 0.2637, 0.3508** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.9086, 0.4027, 0.3092**, and the grayscale version is **62.1991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **38.3256, 0.2523, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **70.3175, 0.2553, 0.3569**, and if you desaturate by 10%, it is **74.8559, 0.2736, 0.3450**.

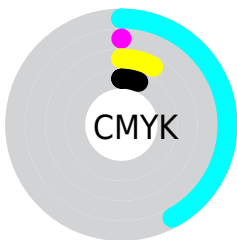
# Distribution



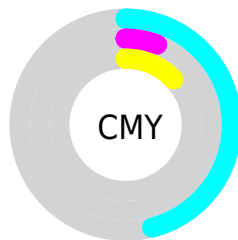
- Red (54%)
- Green (94%)
- Blue (87%)



- Red (54%)
- Yellow (76%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)




- Cyan (46%)
- Magenta (6%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3567, 0.2637, 0.3508 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 72.3567, 0.2637, 0.3508 by changing the saturation by 10% instead.




 72.3567, 0.2637,  
0.3508


 72.3567, 0.2637,  
0.3508


468.7822, 0.2863,  
0.3408

 53.4501, 0.2586,  
0.3531


 122.5635, 0.2715,  
0.3474

 38.1622, 0.2523,  
0.3558


 154.6326, 0.2745,  
0.3460

 26.1086, 0.2443,  
0.3593


191.8579, 0.2772,  
0.3448

 16.9049, 0.2340,  
0.3639

234.6238, 0.2795,  
0.3438

 10.1667, 0.2200,  
0.3700

283.3148, 0.2815,  
0.3429

 5.5096, 0.2002,  
0.3786

338.3153, 0.2833,

 2.5493, 0.1702,

0.3421

0.3914

400.0096, 0.2848,  
0.3414

0.9012, 0.0165,  
0.4611

0.0000, 0.0000,  
0.0000

72.3567, 0.2637,  
0.3508

72.3567, 0.2637,  
0.3508

70.3175, 0.2553,  
0.3569

74.8559, 0.2736,  
0.3450

68.6999, 0.2487,  
0.3632


77.8334, 0.2848,  
0.3396

67.4732, 0.2441,  
0.3697


81.3172, 0.2969,  
0.3346

66.5991, 0.2414,  
0.3761

85.3305, 0.3097,  
0.3300


 66.0312, 0.2406,  
0.3826

 89.4295, 0.3213,  
0.3258

 65.7470, 0.2410,  
0.3875

 89.6887, 0.3186,  
0.3217

 89.9538, 0.3160,  
0.3176

 90.2209, 0.3134,  
0.3136

# Harmonies

## Analogous

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



72.3567, 0.2990, 0.3858



72.3567, 0.2637, 0.3508



72.3567, 0.2421, 0.3111

# Triad

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



72.3567, 0.2637, 0.3508



72.3567, 0.2825, 0.2652



72.3567, 0.3930, 0.3712

# Complementary

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



72.3567, 0.2637, 0.3508



38.9086, 0.4027, 0.3092

# 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.



72.3567, 0.3888, 0.3391



72.3567, 0.2637, 0.3508



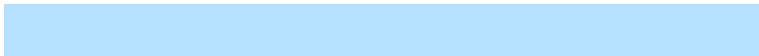
72.3567, 0.3227, 0.2804

# Square

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



72.3567, 0.2637, 0.3508



72.3567, 0.2524, 0.2646



72.3567, 0.3624, 0.3067



72.3567, 0.3743, 0.3953

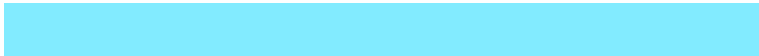


# Rectangle

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



72.3567, 0.2637, 0.3508



72.3567, 0.2374, 0.2890



72.3567, 0.3624, 0.3067



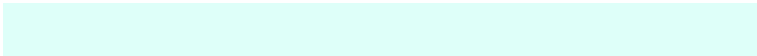
72.3567, 0.3942, 0.3610

# Sweetspot

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



72.3596, 0.2637, 0.3508



93.8715, 0.2960, 0.3349



70.6882, 0.3177, 0.4560



19.8921, 0.2932, 0.3360



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.



72.3596, 0.2637, 0.3508



81.6934, 0.2562, 0.3562



56.2581, 0.2485, 0.2891



17.8778, 0.3005, 0.3332



36.3463, 0.2407, 0.3865



3.0362, 0.2383, 0.3780



# Inverse Universe

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



38.9086, 0.4027, 0.3092



38.0562, 0.4330, 0.3056



48.9135, 0.4069, 0.3649



15.8048, 0.3265, 0.3248



10.2491, 0.6129, 0.3150

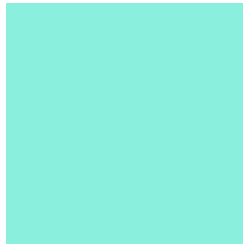


0.8655, 0.5789, 0.2963



# Previews

## White Background



This preview shows how the Yxy color 72.3567, 0.2637, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

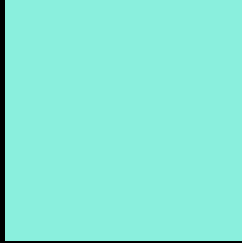
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3567, 0.2637, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

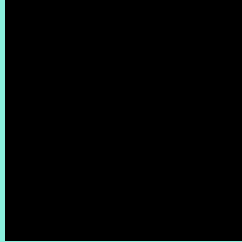
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

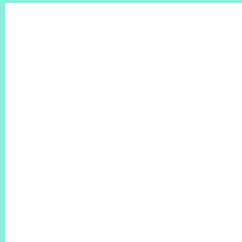
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3567, 0.2637, 0.3508**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3567, 0.2637, 0.3508.

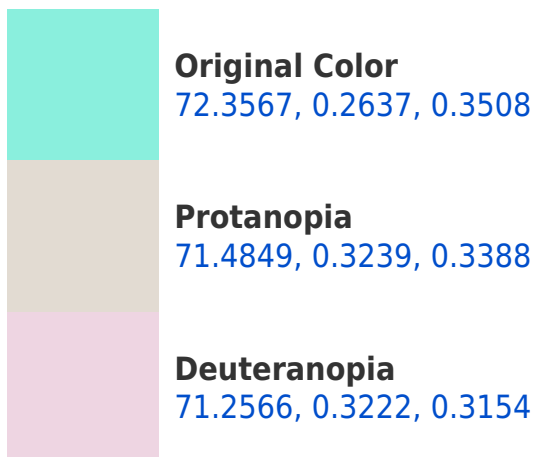


This preview shows how white text looks on a background with the Yxy color 72.3567, 0.2637, 0.3508.

# 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

72.1405, 0.2518, 0.3069

# Trichromacy



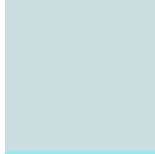
## Original Color

72.3567, 0.2637, 0.3508



## Protanomaly

70.7171, 0.2985, 0.3428



## Deuteranomaly

70.1809, 0.2976, 0.3267



## Tritanomaly

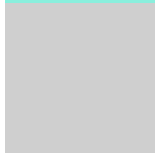
72.2711, 0.2564, 0.3229

# Monochromacy



## Original Color

72.3567, 0.2637, 0.3508



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

65.3616, 0.2916, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3567, 0.2637, 0.3508 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(138, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(138, 239, 221)  
}
```

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(138, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 239, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3567, 0.2637, 0.3508 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(138, 239, 221) }
```

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

```
.border{ border-color:rgb(138, 239, 221) }
```

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

Here you see how a box with a 4 pixel rgb(138, 239, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(138, 239,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3567, 0.2637, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 239, 221) }
```

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

```
.background{ background-color: rgb(138,  
239, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor