

# Converting Colors

$Y_{xy}(70.7269, 0.2527, 0.3159)$

Have a look what the booklet for  
Yxy(70.7269, 0.2527, 0.3159)  
contains.

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# Color

**Yxy(70.4722, 0.2530, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DE9F4
RGB	141, 233, 244
RGB Percent	55%, 91%, 96%
CMY	0.4469, 0.0863, 0.0431
CMYK	0.42, 0.05, 0.00, 0.04
HSL	186°, 82%, 76%
HSV	186°, 42%, 96%
XYZ	56.4581, 70.4722, 96.2242
YIQ	206.7460, -58.3630, -16.0830

# Conversions

## Conversions Part 2

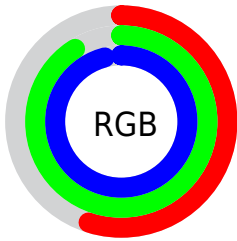
Format	Color
R <sub>YB</sub>	141, 190, 244
Decimal	9300468
CIE Lab	87.23, -24.64, -13.95
CIE LCh	87, 28.316, 209.513
Yxy	70.4722, 0.2530, 0.3158
Android (android.graphics.Color)	4287490548 (0xFF8DE9F4)
YUV	206.7460, 18.3662, -57.6592
Hunter-Lab	83.9477, -26.8603, -9.1972

# Details

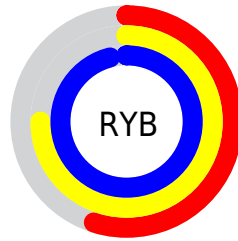
The Yxy color **70.4722, 0.2530, 0.3158** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.6333, 0.4175, 0.3414**, and the grayscale version is **62.1397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **36.9141, 0.2394, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **67.0987, 0.2420, 0.3122**, and if you desaturate by 10%, it is **74.3443, 0.2655, 0.3193**.

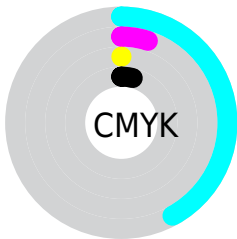
# Distribution



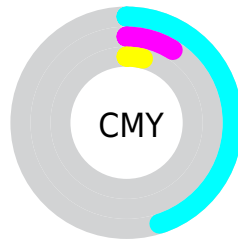
- Red (55%)
- Green (91%)
- Blue (96%)



- Red (55%)
- Yellow (75%)
- Blue (96%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (45%)
- Magenta (9%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4722, 0.2530, 0.3158 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 70.4722, 0.2530, 0.3158 by changing the saturation by 10% instead.




 70.4722, 0.2530,  
0.3158


 70.4722, 0.2530,  
0.3158


462.2062, 0.2802,  
0.3226

 51.9116, 0.2469,  
0.3141


 119.8819, 0.2623,  
0.3183

 36.9346, 0.2395,  
0.3119


 151.4998, 0.2660,  
0.3192

 25.1569, 0.2302,  
0.3090


188.2389, 0.2692,  
0.3200

 16.1940, 0.2182,  
0.3051

230.4835, 0.2719,  
0.3207

 9.6615, 0.2023,  
0.2994

278.6182, 0.2744,  
0.3212

 5.1751, 0.1804,  
0.2905

333.0273, 0.2765,

 2.3504, 0.1485,

0.3217

0.2753

394.0952, 0.2785,  
0.3222

0.8002, 0.0513,  
0.2580

0.0000, 0.0000,  
0.0000

70.4722, 0.2530,  
0.3158

70.4722, 0.2530,  
0.3158

67.0987, 0.2420,  
0.3122

74.3443, 0.2655,  
0.3193

64.1841, 0.2329,  
0.3085

78.7352, 0.2792,  
0.3225

61.6961, 0.2256,  
0.3047

83.6740, 0.2939,  
0.3256

59.5941, 0.2203,  
0.3010

89.1852, 0.3093,  
0.3284

■ 57.8294, 0.2168,  
0.2973

■ 93.7339, 0.3197,  
0.3310

■ 56.6288, 0.2151,  
0.2944

■ 95.3335, 0.3195,  
0.3335

■ 96.9555, 0.3193,  
0.3360

■ 98.6000, 0.3192,  
0.3385

■ 99.3125, 0.3191,  
0.3395

# Harmonies

## Analogous

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



70.4722, 0.2724, 0.3491



70.4722, 0.2530, 0.3158



70.4722, 0.2488, 0.2888

# Triad

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



70.4722, 0.2530, 0.3158



70.4722, 0.3197, 0.2865



70.4722, 0.3662, 0.3847

# Complementary

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



70.4722, 0.2530, 0.3158



43.6333, 0.4175, 0.3414

# 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.



70.4722, 0.3809, 0.3643



70.4722, 0.2530, 0.3158



70.4722, 0.3533, 0.3089

# Square

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



70.4722, 0.2530, 0.3158



70.4722, 0.2857, 0.2740



70.4722, 0.3762, 0.3367



70.4722, 0.3374, 0.3906

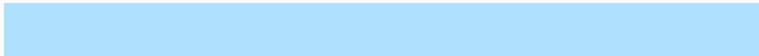


# Rectangle

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



70.4722, 0.2530, 0.3158



70.4722, 0.2548, 0.2776



70.4722, 0.3762, 0.3367



70.4722, 0.3730, 0.3791

# Sweetspot

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



70.4749, 0.2530, 0.3158



92.0042, 0.2927, 0.3254



72.6207, 0.3014, 0.4471



19.4252, 0.2894, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

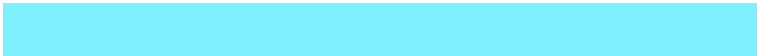


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4749, 0.2530, 0.3158



74.5390, 0.2432, 0.3126



45.7476, 0.2424, 0.2514



18.4371, 0.2981, 0.3264



30.9102, 0.2153, 0.2950



2.8018, 0.2166, 0.2996



# Inverse Universe

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



44.1792, 0.3272, 0.2349



42.2707, 0.3309, 0.2170



63.7879, 0.3930, 0.3952



16.7360, 0.3154, 0.3081



13.2198, 0.3499, 0.1701

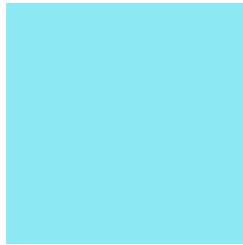


1.1705, 0.3458, 0.1678



# Previews

## White Background



This preview shows how the Yxy color 70.4722, 0.2530, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

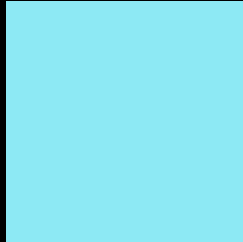
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4722, 0.2530, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

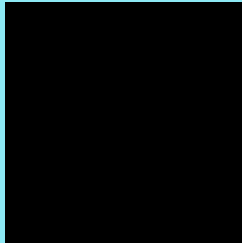
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.4722, 0.2530, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4722, 0.2530, 0.3158.

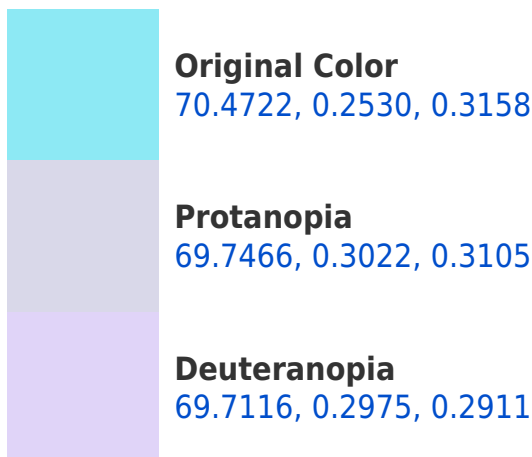


This preview shows how white text looks on a background with the Yxy color 70.4722, 0.2530, 0.3158.

# 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

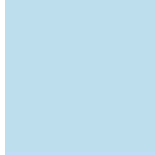
70.5179, 0.2505, 0.3067

# Trichromacy



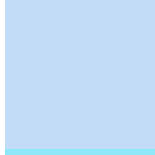
## Original Color

70.4722, 0.2530, 0.3158



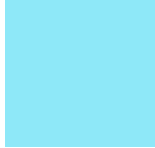
## Protanomaly

69.1758, 0.2814, 0.3119



## Deuteranomaly

69.3711, 0.2786, 0.2990



## Tritanomaly

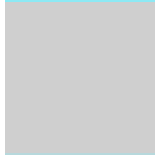
70.2413, 0.2514, 0.3100

# Monochromacy



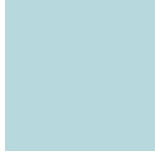
## Original Color

70.4722, 0.2530, 0.3158



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.3463, 0.2872, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4722, 0.2530, 0.3158 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(141, 233, 244)` looks like.

```
.text, #text, p{  
    color:rgb(141, 233, 244)  
}
```

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(141, 233, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 233, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4722, 0.2530, 0.3158 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(141, 233, 244) }
```

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

```
.border{ border-color:rgb(141, 233, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 233, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 233, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 233, 244);  
box-shadow:4px 4px 4px 4px rgb(141, 233,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4722, 0.2530, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 233, 244) }
```

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

```
.background{ background-color: rgb(141,  
233, 244) }
```

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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