

# Converting Colors

$Yxy(77.2167, 0.2288, 0.2470)$

Have a look what the booklet for  
Yxy(77.2167, 0.2288, 0.2470)  
contains.

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# Color

**Yxy(72.7410, 0.2532, 0.3048)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98EAFF
RGB	152, 234, 255
RGB Percent	60%, 92%, 100%
CMY	0.4039, 0.0824, 0.0000
CMYK	0.40, 0.08, 0.00, 0.00
HSL	192°, 100%, 80%
HSV	192°, 40%, 100%
XYZ	60.4266, 72.7410, 105.4840
YIQ	211.8760, -55.6130, -10.8530

# Conversions

## Conversions Part 2

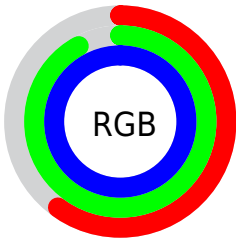
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 198, 255
Decimal	10021631
CIE <sub>Lab</sub>	88.32, -19.74, -18.03
CIE <sub>LCh</sub>	88, 26.734, 222.404
Yxy	72.7410, 0.2532, 0.3048
Android (android.graphics.Color)	4288211711 (0xFF98EAF <sub>F</sub> )
YUV	211.8760, 21.2601, -52.5113
Hunter-Lab	85.2883, -22.7878, -13.6276

# Details

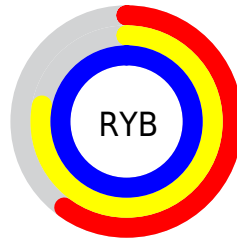
The Yxy color **72.7410, 0.2532, 0.3048** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.4216, 0.4068, 0.3514**, and the grayscale version is **65.6381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **38.3509, 0.2402, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **67.6225, 0.2408, 0.2978**, and if you desaturate by 10%, it is **78.4776, 0.2669, 0.3115**.

# Distribution



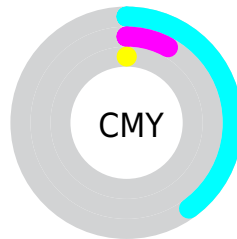
- Red (60%)
- Green (92%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7410, 0.2532, 0.3048 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 72.7410, 0.2532, 0.3048 by changing the saturation by 10% instead.





 72.7410, 0.2532,  
0.3048


 72.7410, 0.2532,  
0.3048


470.1167, 0.2801,  
0.3165

 53.7642, 0.2472,  
0.3020

 123.1095, 0.2624,  
0.3090

 38.4132, 0.2400,  
0.2985


 155.2699, 0.2660,  
0.3106

 26.3035, 0.2309,  
0.2940


192.5937, 0.2691,  
0.3119

 17.0509, 0.2193,  
0.2880

235.4652, 0.2719,  
0.3131

 10.2708, 0.2041,  
0.2796

284.2689, 0.2743,  
0.3141

 5.5788, 0.1832,  
0.2673

339.3891, 0.2764,

 2.5907, 0.1532,

0.3150

0.2478

401.2102, 0.2784,  
0.3158

■ 0.9220, 0.0927,  
0.2169

■ 0.0000, 0.0000,  
0.0000

■ 72.7410, 0.2532,  
0.3048

■ 72.7410, 0.2532,  
0.3048

■ 67.6225, 0.2408,  
0.2978

■ 78.4776, 0.2669,  
0.3115

■ 63.0836, 0.2300,  
0.2904

■ 84.8608, 0.2814,  
0.3178

■ 59.0867, 0.2211,  
0.2829

■ 91.9212, 0.2966,  
0.3236

■ 55.5870, 0.2141,  
0.2754

99.6862, 0.3121,  
0.3288

■ 52.5316, 0.2090,  
0.2679

100.0000, 0.3127,  
0.3290

■ 49.9313, 0.2058,  
0.2607

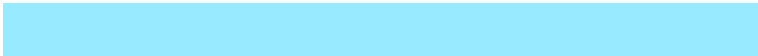
# Harmonies

## Analogous

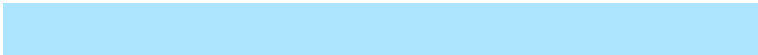
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7410, 0.2656, 0.3344



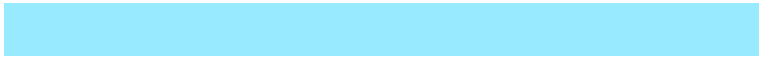
72.7410, 0.2532, 0.3048



72.7410, 0.2557, 0.2841

# Triad

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



72.7410, 0.2532, 0.3048



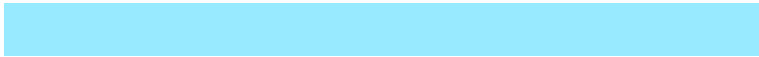
72.7410, 0.3334, 0.2973



72.7410, 0.3525, 0.3854

# Complementary

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



72.7410, 0.2532, 0.3048



53.4216, 0.4068, 0.3514

# 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.



72.7410, 0.3726, 0.3716



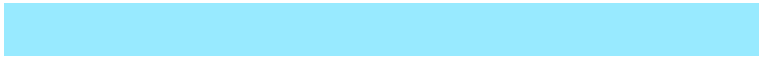
72.7410, 0.2532, 0.3048



72.7410, 0.3616, 0.3212

# Square

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



72.7410, 0.2532, 0.3048



72.7410, 0.3006, 0.2811



72.7410, 0.3762, 0.3479

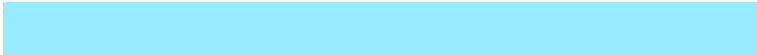


72.7410, 0.3222, 0.3833

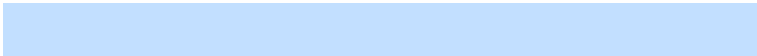


# Rectangle

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



72.7410, 0.2532, 0.3048



72.7410, 0.2655, 0.2772



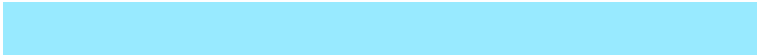
72.7410, 0.3762, 0.3479



72.7410, 0.3607, 0.3823

# Sweetspot

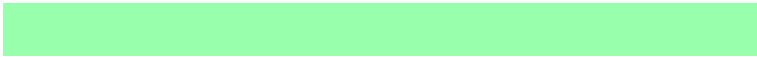
The Sweet Spot groups the original color and five complimentary colors.



72.7422, 0.2532, 0.3048



90.7343, 0.2941, 0.3227



81.1992, 0.2967, 0.4286



19.2182, 0.2921, 0.3219



0.0000, 0.0000, 0.0000

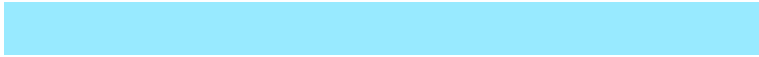


21.4041, 0.3127, 0.3290

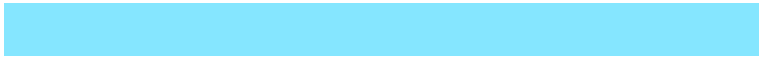


# Same Dimension

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



72.7422, 0.2532, 0.3048



68.7896, 0.2437, 0.2995



47.7277, 0.2433, 0.2423



19.8152, 0.2980, 0.3240



26.3100, 0.2061, 0.2620



2.7132, 0.2085, 0.2705



# Inverse Universe

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



49.6625, 0.3352, 0.2472



43.6411, 0.3407, 0.2328



76.8954, 0.3850, 0.4022



18.2332, 0.3169, 0.3103



13.3840, 0.3805, 0.1870

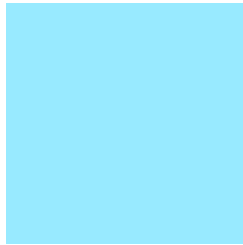


1.3184, 0.3724, 0.1825



# Previews

## White Background



This preview shows how the Yxy color 72.7410, 0.2532, 0.3048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

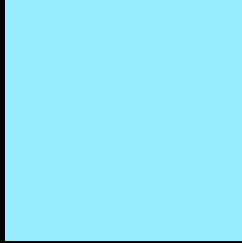
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7410, 0.2532, 0.3048 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 72.7410, 0.2532, 0.3048**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7410, 0.2532, 0.3048.

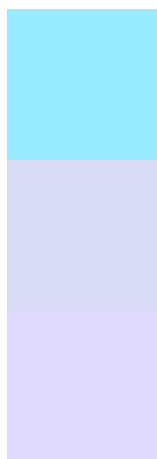


This preview shows how white text looks on a background with the Yxy color 72.7410, 0.2532, 0.3048.

# 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

72.7410, 0.2532, 0.3048

### Protanopia

72.0073, 0.2947, 0.3013

### Deuteranopia

72.0197, 0.2925, 0.2884



## Tritanopia

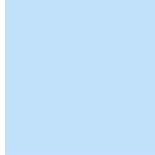
72.6129, 0.2541, 0.3070

# Trichromacy



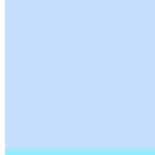
## Original Color

72.7410, 0.2532, 0.3048



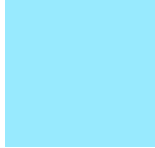
## Protanomaly

71.4883, 0.2772, 0.3014



## Deuteranomaly

71.8657, 0.2762, 0.2942



## Tritanomaly

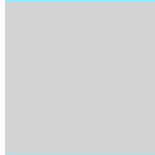
72.6768, 0.2537, 0.3059

# Monochromacy



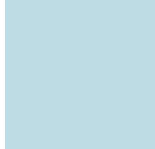
## Original Color

72.7410, 0.2532, 0.3048



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.7350, 0.2872, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7410, 0.2532, 0.3048 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(152, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 234, 255)  
}
```

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(152, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7410, 0.2532, 0.3048 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(152, 234, 255) }
```

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

```
.border{ border-color:rgb(152, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7410, 0.2532, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 234, 255) }
```

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

```
.background{ background-color: rgb(152,  
234, 255) }
```

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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