

Converting Colors

$Y_{xy}(70.4122, 0.2433, 0.3034)$

Have a look what the booklet for
Yxy(70.4122, 0.2433, 0.3034)
contains.

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Color

Yxy(70.2437, 0.2433, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	82E9FF
RGB	130, 233, 255
RGB Percent	51%, 91%, 100%
CMY	0.4898, 0.0863, 0.0001
CMYK	0.49, 0.09, 0.00, 0.00
HSL	191°, 100%, 76%
HSV	191°, 49%, 100%
XYZ	56.4036, 70.2437, 105.1801
YIQ	204.7110, -68.4500, -14.9940

Conversions

Conversions Part 2

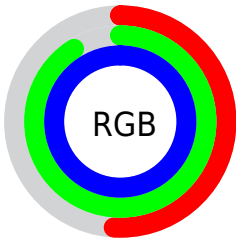
Format	Color
R_{YB}	130, 186, 255
Decimal	8579583
CIE _{Lab}	87.12, -24.30, -19.92
CIE _{LCh}	87, 31.418, 219.348
Yxy	70.2437, 0.2433, 0.3030
Android (android.graphics.Color)	4286769663 (0xFF82E9FF)
YUV	204.7110, 24.7925, -65.5215
Hunter-Lab	83.8115, -26.5429, -15.7385

Details

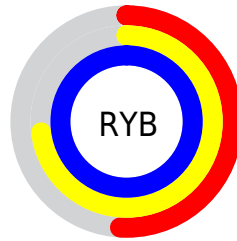
The Yxy color **70.2437, 0.2433, 0.3030** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.3586, 0.4388, 0.3522**, and the grayscale version is **60.7450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **36.7504, 0.2281, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **65.9616, 0.2326, 0.2968**, and if you desaturate by 10%, it is **75.0955, 0.2556, 0.3090**.

Distribution



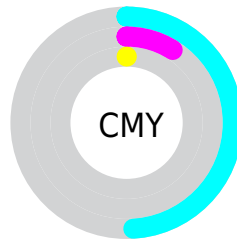
- Red (51%)
- Green (91%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2437, 0.2433, 0.3030 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 70.2437, 0.2433, 0.3030 by changing the saturation by 10% instead.


 70.2437, 0.2433,
0.3030


 70.2437, 0.2433,
0.3030


461.4052, 0.2747,
0.3159


 51.7252, 0.2363,
0.2999


 119.5562, 0.2540,
0.3076

 36.7861, 0.2279,
0.2960


 151.1191, 0.2582,
0.3094

 25.0419, 0.2173,
0.2909


 187.7988, 0.2619,
0.3109

 16.1083, 0.2039,
0.2840

229.9799, 0.2651,
0.3121

 9.6008, 0.1863,
0.2744

278.0467, 0.2679,
0.3133

 5.1351, 0.1624,
0.2601

332.3836, 0.2704,

 2.3267, 0.1288,

0.3142

0.2372

393.3749, 0.2727,
0.3151

0.7878, 0.0404,
0.2046

0.0000, 0.0000,
0.0000

70.2437, 0.2433,
0.3030

70.2437, 0.2433,
0.3030

65.9616, 0.2326,
0.2968

75.0955, 0.2556,
0.3090

62.2032, 0.2238,
0.2904

80.5431, 0.2691,
0.3147

58.9277, 0.2169,
0.2839

86.6205, 0.2836,
0.3200

56.0838, 0.2120,
0.2775

93.3566, 0.2988,
0.3250

■ 53.5961, 0.2088,
0.2712

99.9991, 0.3127,
0.3290

■ 53.3521, 0.2085,
0.2706

Harmonies

Analogous

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



70.2437, 0.2593, 0.3389



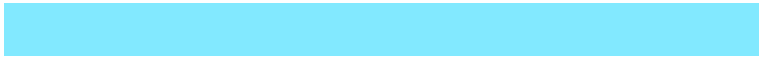
70.2437, 0.2433, 0.3030



70.2437, 0.2445, 0.2774

Triad

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



70.2437, 0.2433, 0.3030



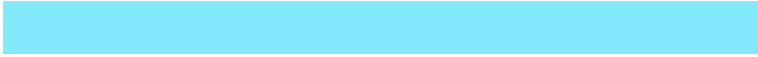
70.2437, 0.3332, 0.2893



70.2437, 0.3628, 0.3951

Complementary

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



70.2437, 0.2433, 0.3030



45.3586, 0.4388, 0.3522

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.



70.2437, 0.3852, 0.3764



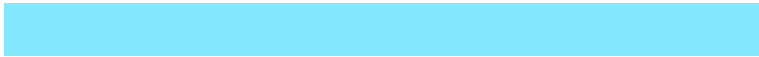
70.2437, 0.2433, 0.3030



70.2437, 0.3681, 0.3163

Square

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



70.2437, 0.2433, 0.3030



70.2437, 0.2943, 0.2715



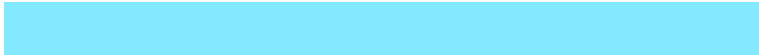
70.2437, 0.3875, 0.3475



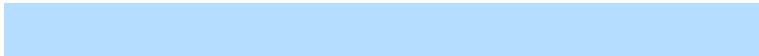
70.2437, 0.3275, 0.3954

Rectangle

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



70.2437, 0.2433, 0.3030



70.2437, 0.2547, 0.2687



70.2437, 0.3875, 0.3475



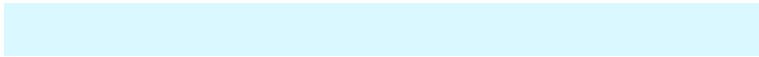
70.2437, 0.3721, 0.3906

Sweetspot

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



70.2464, 0.2433, 0.3030



89.2306, 0.2896, 0.3220



78.4963, 0.2960, 0.4596



18.8014, 0.2864, 0.3210



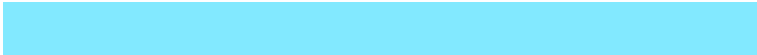
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



70.2464, 0.2433, 0.3030



65.9609, 0.2326, 0.2967



41.3748, 0.2285, 0.2252



19.9051, 0.2980, 0.3247



28.0796, 0.2088, 0.2716



2.8703, 0.2108, 0.2789

Inverse Universe

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



43.1320, 0.3381, 0.2281



36.9012, 0.3448, 0.2109



70.6401, 0.4046, 0.4132



18.2422, 0.3165, 0.3096



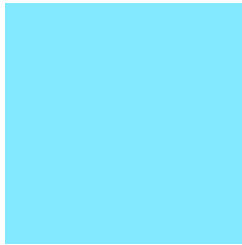
13.5626, 0.3713, 0.1819



1.3343, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 70.2437, 0.2433, 0.3030 looks on a white background.

Color Contrast Check

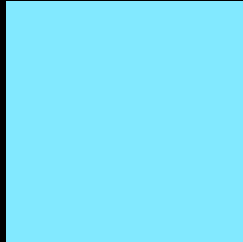
Large Text (above 18pt) WCAG AA × Fail

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 70.2437, 0.2433, 0.3030 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 70.2437, 0.2433, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 70.2437, 0.2433, 0.3030.

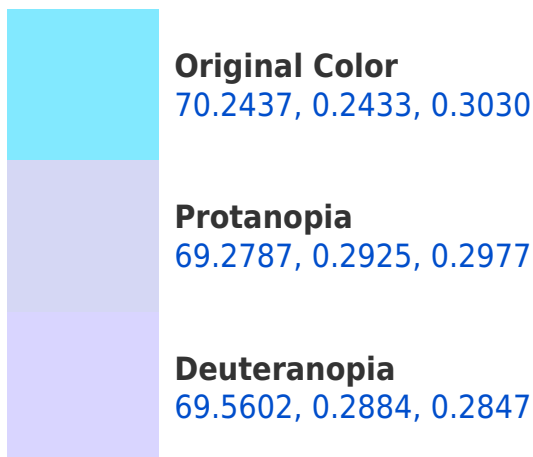


This preview shows how white text looks on a background with the Yxy color 70.2437, 0.2433, 0.3030.

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

69.9732, 0.2441, 0.3064

Trichromacy



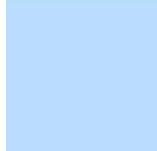
Original Color

70.2437, 0.2433, 0.3030



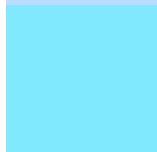
Protanomaly

69.0871, 0.2715, 0.2997



Deuteranomaly

68.7207, 0.2687, 0.2901



Tritanomaly

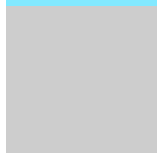
70.0368, 0.2437, 0.3052

Monochromacy



Original Color

70.2437, 0.2433, 0.3030



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.3936, 0.2821, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2437, 0.2433, 0.3030 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(130, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 233, 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(130, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.2437, 0.2433, 0.3030 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(130, 233, 255) }
```

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

```
.border{ border-color:rgb(130, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2437, 0.2433, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 233, 255) }
```

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

```
.background{ background-color: rgb(130,  
233, 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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