

Converting Colors

$Yxy(68.2933, 0.2331, 0.3022)$

Have a look what the booklet for
Yxy(68.2933, 0.2331, 0.3022)
contains.

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Color

Yxy(68.3226, 0.2330, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	66E9FF
RGB	102, 233, 255
RGB Percent	40%, 91%, 100%
CMY	0.6004, 0.0862, 0.0000
CMYK	0.60, 0.09, 0.00, 0.00
HSL	189°, 100%, 70%
HSV	189°, 60%, 100%
XYZ	52.6602, 68.3226, 105.0265
YIQ	196.3390, -85.1380, -20.9300

Conversions

Conversions Part 2

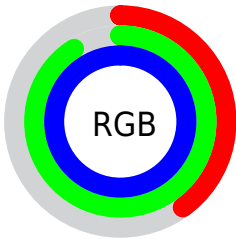
Format	Color
RYB	102, 173, 255
Decimal	6744575
CIELab	86.17, -29.72, -21.46
CIELCh	86, 36.654, 215.836
Yxy	68.3226, 0.2330, 0.3023
Android (android.graphics.Color)	4284934655 (0xFF66E9FF)
YUV	196.3390, 28.9199, -82.7353
Hunter-Lab	82.6575, -30.9303, -17.4750

Details

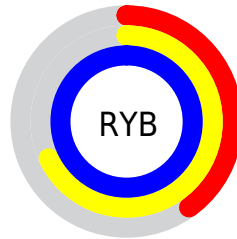
The Yxy color **68.3226, 0.2330, 0.3023** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.6035, 0.4870, 0.3507**, and the grayscale version is **55.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **35.5409, 0.2155, 0.2952** is the 20% darker color. If you saturate the color by 10%, you get **65.0065, 0.2248, 0.2972**, and if you desaturate by 10%, it is **72.1435, 0.2431, 0.3074**.

Distribution



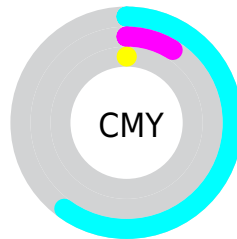
- Red (40%)
- Green (91%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3226, 0.2330, 0.3023 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 68.3226, 0.2330, 0.3023 by changing the saturation by 10% instead.

 68.3226, 0.2330,
0.3023


 68.3226, 0.2330,
0.3023

454.6382, 0.2690,
0.3158


 50.1602, 0.2250,
0.2990


 116.8135, 0.2453,
0.3072

 35.5407, 0.2154,
0.2947


 147.9109, 0.2501,
0.3091

 24.0797, 0.2034,
0.2892


 184.0887, 0.2543,
0.3106

 15.3928, 0.1882,
0.2816

225.7313, 0.2580,
0.3120

 9.0955, 0.1684,
0.2710

273.2232, 0.2613,
0.3131

 4.8035, 0.1419,
0.2550

326.9487, 0.2641,

 2.1324, 0.1056,

0.3141

0.2291

387.2922, 0.2667,
0.3150

0.6828, 0.0000,
0.1909

0.0000, 0.0000,
0.0000

68.3226, 0.2330,
0.3023

68.3226, 0.2330,
0.3023

65.0065, 0.2248,
0.2972

72.1435, 0.2431,
0.3074

62.1455, 0.2186,
0.2920

76.5016, 0.2548,
0.3122

59.6893, 0.2143,
0.2869

81.4333, 0.2679,
0.3169

57.5607, 0.2116,
0.2819

86.9698, 0.2822,
0.3212

■ 93.1402, 0.2972,
0.3253

99.9713, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

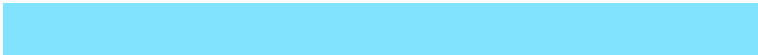
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3226, 0.2535, 0.3457



68.3226, 0.2330, 0.3023



68.3226, 0.2321, 0.2709

Triad

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



68.3226, 0.2330, 0.3023



68.3226, 0.3311, 0.2797



68.3226, 0.3752, 0.4049

Complementary

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



68.3226, 0.2330, 0.3023



36.6035, 0.4870, 0.3507

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.



68.3226, 0.3996, 0.3802



68.3226, 0.2330, 0.3023



68.3226, 0.3738, 0.3098

Square

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



68.3226, 0.2330, 0.3023



68.3226, 0.2859, 0.2608



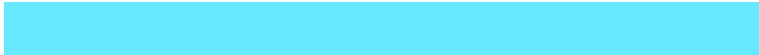
68.3226, 0.3996, 0.3456



68.3226, 0.3348, 0.4092

Rectangle

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



68.3226, 0.2330, 0.3023



68.3226, 0.2424, 0.2597



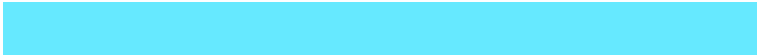
68.3226, 0.3996, 0.3456



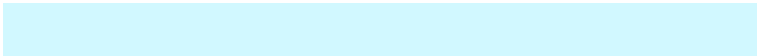
68.3226, 0.3856, 0.3985

Sweetspot

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



68.3245, 0.2330, 0.3023



88.1762, 0.2852, 0.3221



75.7517, 0.2959, 0.5007



18.5067, 0.2809, 0.3209



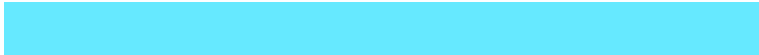
0.0000, 0.0000, 0.0000



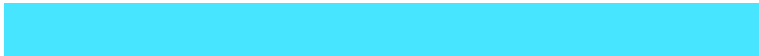
21.4041, 0.3127, 0.3290

Same Dimension

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



68.3245, 0.2330, 0.3023



64.4112, 0.2234, 0.2962



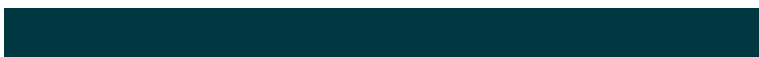
34.5046, 0.2107, 0.2034



20.0105, 0.2980, 0.3255



30.2469, 0.2119, 0.2827



3.0614, 0.2135, 0.2885

Inverse Universe

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



36.6267, 0.3404, 0.2054



31.4543, 0.3471, 0.1895



63.0009, 0.4316, 0.4247



18.2529, 0.3160, 0.3089



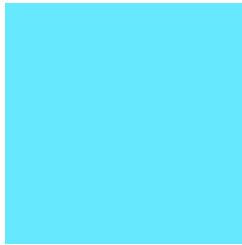
13.7814, 0.3610, 0.1762



1.3536, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 68.3226, 0.2330, 0.3023 looks on a white background.

Color Contrast Check

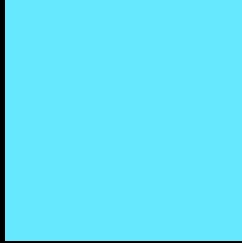
Large Text (above 18pt) WCAG AA × Fail

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 68.3226, 0.2330, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

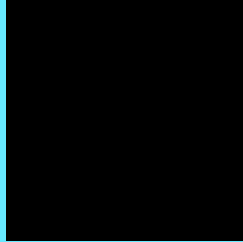
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3226, 0.2330, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 68.3226, 0.2330, 0.3023.

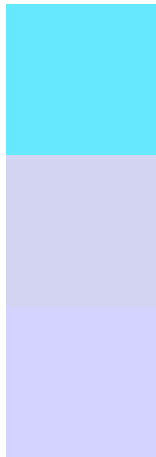


This preview shows how white text looks on a background with the Yxy color 68.3226, 0.2330, 0.3023.

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

68.3226, 0.2330, 0.3023

Protanopia

67.1395, 0.2922, 0.2973

Deuteranopia

67.3102, 0.2849, 0.2810



Tritanopia

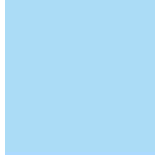
68.0728, 0.2339, 0.3058

Trichromacy



Original Color

68.3226, 0.2330, 0.3023



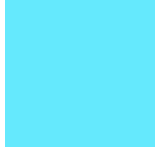
Protanomaly

66.4981, 0.2653, 0.2990



Deuteranomaly

66.1335, 0.2609, 0.2869



Tritanomaly

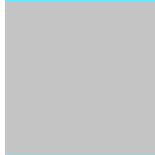
68.1364, 0.2335, 0.3046

Monochromacy



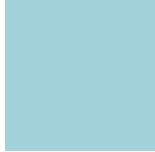
Original Color

68.3226, 0.2330, 0.3023



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.2921, 0.2748, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3226, 0.2330, 0.3023 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(102, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3226, 0.2330, 0.3023 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(102, 233, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3226, 0.2330, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 233, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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