

Converting Colors

$Yxy(67.3620, 0.2408, 0.2972)$

Have a look what the booklet for
Yxy(67.3620, 0.2408, 0.2972)
contains.

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Color

Yxy(67.2188, 0.2409, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	7FE4FF
RGB	127, 228, 255
RGB Percent	50%, 89%, 100%
CMY	0.5015, 0.1059, 0.0000
CMYK	0.50, 0.11, 0.00, 0.00
HSL	193°, 100%, 75%
HSV	193°, 50%, 100%
XYZ	54.5587, 67.2188, 104.7010
YIQ	200.8790, -68.8630, -13.0150

Conversions

Conversions Part 2

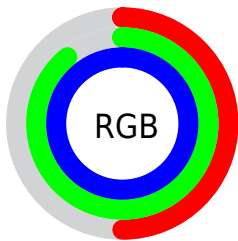
Format	Color
RYB	127, 183, 255
Decimal	8381695
CIELab	85.61, -22.45, -22.21
CIELCh	86, 31.582, 224.686
Yxy	67.2188, 0.2409, 0.2968
Android (android.graphics.Color)	4286571775 (0xFF7FE4FF)
YUV	200.8790, 26.6817, -64.7919
Hunter-Lab	81.9871, -24.6938, -18.3249

Details

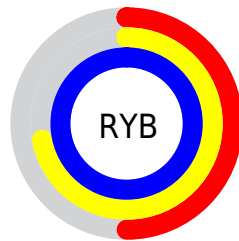
The Yxy color **67.2188, 0.2409, 0.2968** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.9514, 0.4405, 0.3573**, and the grayscale version is **58.2130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **34.6723, 0.2247, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **62.5853, 0.2300, 0.2892**, and if you desaturate by 10%, it is **72.4452, 0.2534, 0.3041**.

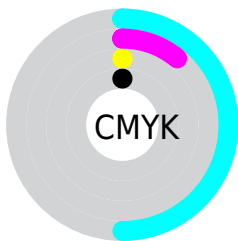
Distribution



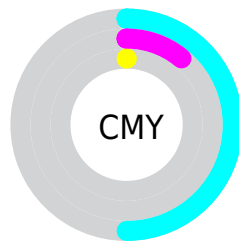
- Red (50%)
- Green (89%)
- Blue (100%)



- Red (50%)
- Yellow (72%)
- Blue (100%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2188, 0.2409, 0.2968 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 67.2188, 0.2409, 0.2968 by changing the saturation by 10% instead.

 67.2188, 0.2409,
0.2968


 67.2188, 0.2409,
0.2968


450.7232, 0.2736,
0.3126


 49.2625, 0.2336,
0.2930


 115.2339, 0.2521,
0.3025

 34.8277, 0.2247,
0.2882


 146.0614, 0.2565,
0.3046

 23.5302, 0.2137,
0.2820


 181.9481, 0.2603,
0.3064

 14.9855, 0.1996,
0.2737

223.2784, 0.2636,
0.3080

 8.8092, 0.1811,
0.2621

270.4366, 0.2666,
0.3094

 4.6169, 0.1559,
0.2450

323.8073, 0.2692,

 2.0243, 0.1207,

0.3106

383.7747, 0.2715,
0.3117

0.2179

0.6215, 0.0121,
0.1762

0.0000, 0.0000,
0.0000

67.2188, 0.2409,
0.2968

67.2188, 0.2409,
0.2968

62.5853, 0.2300,
0.2892

72.4452, 0.2534,
0.3041

58.4982, 0.2208,
0.2814

78.2919, 0.2671,
0.3111

54.9154, 0.2137,
0.2735

84.7933, 0.2818,
0.3175

51.7842, 0.2085,
0.2657

91.9789, 0.2970,
0.3235

■ 49.0557, 0.2050,
0.2581

99.8762, 0.3125,
0.3289

99.9997, 0.3127,
0.3290

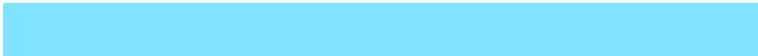
Harmonies

Analogous

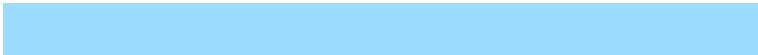
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.2188, 0.2542, 0.3322



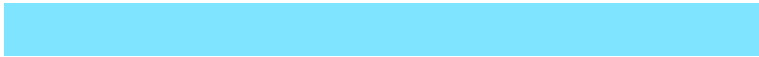
67.2188, 0.2409, 0.2968



67.2188, 0.2452, 0.2733

Triad

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



67.2188, 0.2409, 0.2968



67.2188, 0.3405, 0.2928



67.2188, 0.3580, 0.3981

Complementary

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



67.2188, 0.2409, 0.2968



45.9514, 0.4405, 0.3573

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.



67.2188, 0.3839, 0.3817



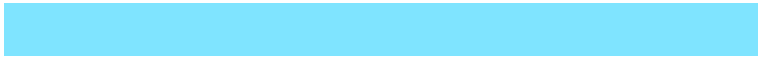
67.2188, 0.2409, 0.2968



67.2188, 0.3742, 0.3216

Square

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



67.2188, 0.2409, 0.2968



67.2188, 0.3007, 0.2728



67.2188, 0.3903, 0.3534



67.2188, 0.3208, 0.3945

Rectangle

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



67.2188, 0.2409, 0.2968



67.2188, 0.2576, 0.2663



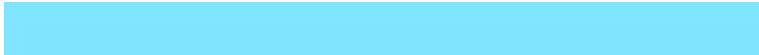
67.2188, 0.3903, 0.3534



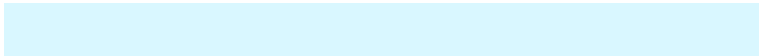
67.2188, 0.3684, 0.3945

Sweetspot

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



67.2213, 0.2409, 0.2968



88.4065, 0.2895, 0.3207



78.3287, 0.2938, 0.4579



18.6013, 0.2863, 0.3194



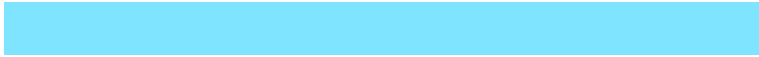
0.0000, 0.0000, 0.0000



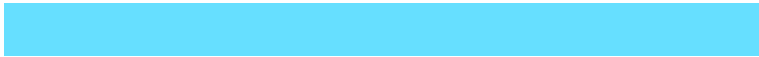
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2213, 0.2409, 0.2968



62.6510, 0.2301, 0.2893



38.8289, 0.2253, 0.2167



19.7917, 0.2980, 0.3239



25.8589, 0.2054, 0.2594



2.6729, 0.2079, 0.2683

Inverse Universe

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



42.0721, 0.3432, 0.2298



36.0734, 0.3512, 0.2137



72.2326, 0.4048, 0.4189



18.2308, 0.3171, 0.3104



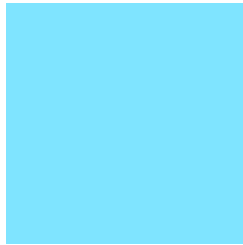
13.3384, 0.3830, 0.1883



1.3144, 0.3745, 0.1837

Previews

White Background



This preview shows how the Yxy color 67.2188, 0.2409, 0.2968 looks on a white background.

Color Contrast Check

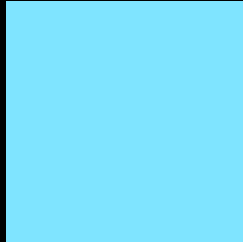
Large Text (above 18pt) WCAG AA × Fail

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 67.2188, 0.2409, 0.2968 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 67.2188, 0.2409, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 67.2188, 0.2409, 0.2968.

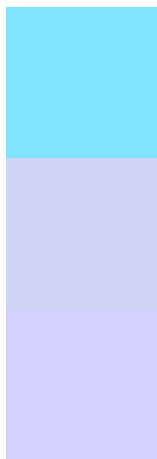


This preview shows how white text looks on a background with the Yxy color 67.2188, 0.2409, 0.2968.

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

67.2188, 0.2409, 0.2968

Protanopia

66.3856, 0.2883, 0.2928

Deuteranopia

66.5226, 0.2835, 0.2797



Tritanopia

67.1759, 0.2433, 0.3060

Trichromacy



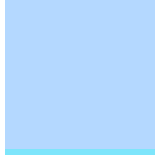
Original Color

67.2188, 0.2409, 0.2968



Protanomaly

65.8680, 0.2680, 0.2936



Deuteranomaly

66.0350, 0.2653, 0.2852



Tritanomaly

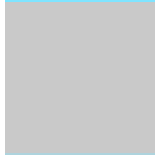
67.4393, 0.2424, 0.3025

Monochromacy



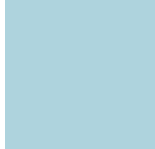
Original Color

67.2188, 0.2409, 0.2968



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.8077, 0.2803, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2188, 0.2409, 0.2968 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(127, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 228, 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(127, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.2188, 0.2409, 0.2968 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(127, 228, 255) }
```

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

```
.border{ border-color:rgb(127, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 228, 255); box-shadow:4px 4px 4px 4px rgb(127, 228, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2188, 0.2409, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 228, 255) }
```

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

```
.background{ background-color: rgb(127,  
228, 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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