

Converting Colors

$Yxy(67.8195, 0.2328, 0.3012)$

Have a look what the booklet for
Yxy(67.8195, 0.2328, 0.3012)
contains.

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Color

Yxy(67.7580, 0.2328, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	66E8FF
RGB	102, 232, 255
RGB Percent	40%, 91%, 100%
CMY	0.5996, 0.0902, 0.0002
CMYK	0.60, 0.09, 0.00, 0.00
HSL	189°, 100%, 70%
HSV	189°, 60%, 100%
XYZ	52.3881, 67.7580, 104.8888
YIQ	195.7520, -84.8630, -20.4070

Conversions

Conversions Part 2

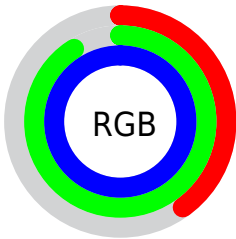
Format	Color
RYB	102, 172, 255
Decimal	6744319
CIELab	85.89, -29.21, -21.86
CIELCh	86, 36.481, 216.812
Yxy	67.7580, 0.2328, 0.3011
Android (android.graphics.Color)	4284934399 (0xFF66E8FF)
YUV	195.7520, 29.2093, -82.2205
Hunter-Lab	82.3152, -30.4484, -17.9286

Details

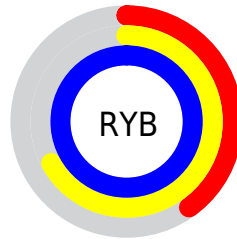
The Yxy color **67.7580, 0.2328, 0.3011** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.8951, 0.4859, 0.3517**, and the grayscale version is **54.9204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **35.1537, 0.2151, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **64.3588, 0.2245, 0.2957**, and if you desaturate by 10%, it is **71.6673, 0.2430, 0.3064**.

Distribution



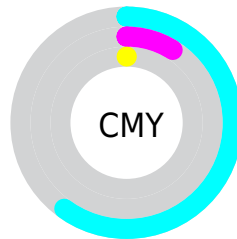
- Red (40%)
- Green (91%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- 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 67.7580, 0.2328, 0.3011 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 67.7580, 0.2328, 0.3011 by changing the saturation by 10% instead.


 67.7580, 0.2328,
0.3011

 67.7580, 0.2328,
0.3011

452.6381, 0.2690,
0.3152


 49.7009, 0.2248,
0.2976


 116.0059, 0.2451,
0.3062

 35.1758, 0.2151,
0.2932


 146.9654, 0.2500,
0.3081

 23.7983, 0.2030,
0.2875


 182.9946, 0.2542,
0.3098

 15.1841, 0.1877,
0.2797

224.4777, 0.2579,
0.3112

 8.9487, 0.1678,
0.2686

271.7992, 0.2612,
0.3124

 4.7077, 0.1411,
0.2521

325.3436, 0.2641,

 2.0768, 0.1046,

0.3134

0.2254

385.4951, 0.2666,
0.3144

0.6515, 0.0000,
0.1845

0.0000, 0.0000,
0.0000

67.7580, 0.2328,
0.3011

67.7580, 0.2328,
0.3011

64.3588, 0.2245,
0.2957

71.6673, 0.2430,
0.3064

61.4183, 0.2182,
0.2903

76.1173, 0.2548,
0.3115

58.8868, 0.2138,
0.2849

81.1450, 0.2680,
0.3164

56.6797, 0.2110,
0.2796

86.7816, 0.2823,
0.3209

■ 56.6701, 0.2110,
0.2796

■ 93.0561, 0.2973,
0.3252

99.9817, 0.3127,
0.3290

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



67.7580, 0.2527, 0.3442



67.7580, 0.2328, 0.3011



67.7580, 0.2325, 0.2703

Triad

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



67.7580, 0.2328, 0.3011



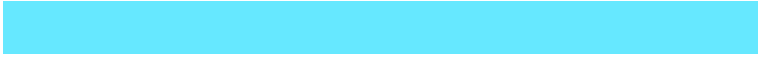
67.7580, 0.3326, 0.2806



67.7580, 0.3740, 0.4053

Complementary

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



67.7580, 0.2328, 0.3011



36.8951, 0.4859, 0.3517

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.



67.7580, 0.3990, 0.3812



67.7580, 0.2328, 0.3011



67.7580, 0.3749, 0.3110

Square

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



67.7580, 0.2328, 0.3011



67.7580, 0.2873, 0.2613



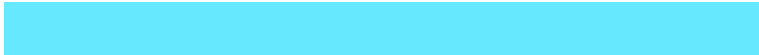
67.7580, 0.3998, 0.3468



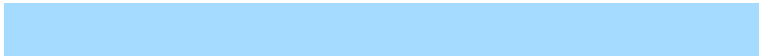
67.7580, 0.3333, 0.4087

Rectangle

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



67.7580, 0.2328, 0.3011



67.7580, 0.2432, 0.2595



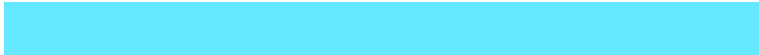
67.7580, 0.3998, 0.3468



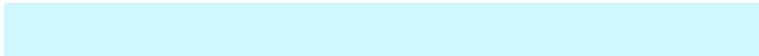
67.7580, 0.3846, 0.3991

Sweetspot

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



67.7605, 0.2328, 0.3011



87.9899, 0.2852, 0.3218



75.8053, 0.2948, 0.4973



18.4607, 0.2809, 0.3205



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.



67.7605, 0.2328, 0.3011



63.7450, 0.2231, 0.2946



33.6905, 0.2101, 0.2002



19.9891, 0.2980, 0.3253



29.7985, 0.2112, 0.2805



3.0220, 0.2129, 0.2866

Inverse Universe

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



36.6003, 0.3414, 0.2064



31.3870, 0.3485, 0.1904



64.2001, 0.4297, 0.4269



18.2507, 0.3161, 0.3090



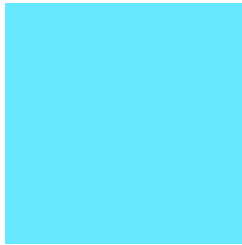
13.7361, 0.3630, 0.1774



1.3496, 0.3575, 0.1743

Previews

White Background



This preview shows how the Yxy color 67.7580, 0.2328, 0.3011 looks on a white background.

Color Contrast Check

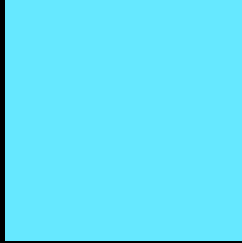
Large Text (above 18pt) WCAG AA × Fail

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 67.7580, 0.2328, 0.3011 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 67.7580, 0.2328, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 67.7580, 0.2328, 0.3011.

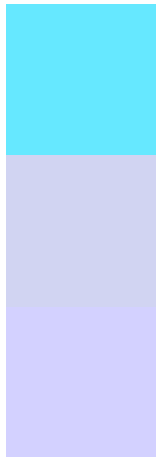


This preview shows how white text looks on a background with the Yxy color 67.7580, 0.2328, 0.3011.

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

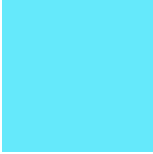
67.7580, 0.2328, 0.3011

Protanopia

67.0531, 0.2909, 0.2962

Deuteranopia

66.6698, 0.2842, 0.2798



Tritanopia

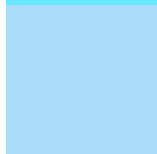
68.0096, 0.2343, 0.3069

Trichromacy



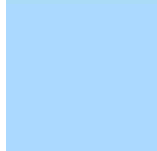
Original Color

67.7580, 0.2328, 0.3011



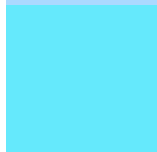
Protanomaly

65.9245, 0.2641, 0.2966



Deuteranomaly

65.5036, 0.2602, 0.2857



Tritanomaly

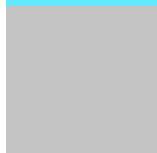
68.0728, 0.2339, 0.3058

Monochromacy



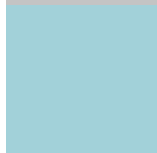
Original Color

67.7580, 0.2328, 0.3011



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 67.7580, 0.2328, 0.3011 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.7580, 0.2328, 0.3011 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, 232, 255) }
```

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

```
.border{ border-color:rgb(102, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7580, 0.2328, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 232, 255) }
```

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

```
.background{ background-color: rgb(102,  
232, 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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