

Converting Colors

$Y_{xy}(66.2946, 0.2290, 0.2840)$

Have a look what the booklet for
Yxy(66.2946, 0.2290, 0.2840)
contains.

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Color

Yxy(65.8326, 0.2333, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	6BE4FF
RGB	107, 228, 255
RGB Percent	42%, 89%, 100%
CMY	0.5805, 0.1059, 0.0000
CMYK	0.58, 0.11, 0.00, 0.00
HSL	191°, 100%, 71%
HSV	191°, 58%, 100%
XYZ	51.8526, 65.8326, 104.5720
YIQ	194.8990, -80.7830, -17.2550

Conversions

Conversions Part 2

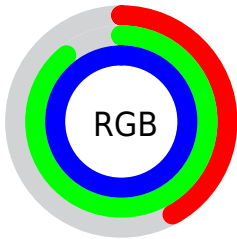
Format	Color
RYB	107, 174, 255
Decimal	7070975
CIELab	84.91, -26.41, -23.34
CIELCh	85, 35.245, 221.471
Yxy	65.8326, 0.2333, 0.2962
Android (android.graphics.Color)	4285261055 (0xFF6BE4FF)
YUV	194.8990, 29.6298, -77.0874
Hunter-Lab	81.1373, -27.9158, -19.6185

Details

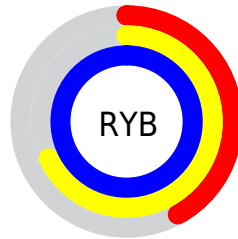
The Yxy color **65.8326, 0.2333, 0.2962** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **39.3580, 0.4743, 0.3562**, and the grayscale version is **54.3640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **33.8153, 0.2155, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **61.9578, 0.2242, 0.2896**, and if you desaturate by 10%, it is **70.2469, 0.2442, 0.3027**.

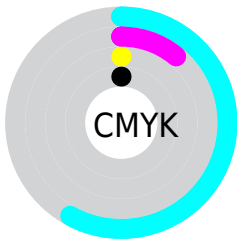
Distribution



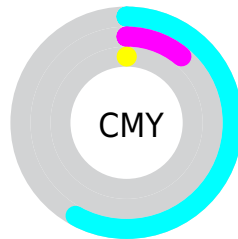
- Red (42%)
- Green (89%)
- Blue (100%)



- Red (42%)
- Yellow (68%)
- Blue (100%)



- Cyan (58%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8326, 0.2333, 0.2962 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 65.8326, 0.2333, 0.2962 by changing the saturation by 10% instead.


 65.8326, 0.2333,
0.2962

 65.8326, 0.2333,
0.2962

445.7780, 0.2694,
0.3126


 48.1365, 0.2253,
0.2922


 113.2460, 0.2457,
0.3021

 33.9350, 0.2155,
0.2872


 143.7322, 0.2505,
0.3043

 22.8437, 0.2034,
0.2806


 179.2505, 0.2547,
0.3062

 14.4781, 0.1879,
0.2718

220.1853, 0.2584,
0.3079

 8.4540, 0.1678,
0.2594

266.9211, 0.2616,
0.3093

 4.3868, 0.1407,
0.2409

319.8422, 0.2645,

 1.8922, 0.1036,

0.3105

379.3330, 0.2671,
0.3116

0.2115

0.5437, 0.0000,
0.1601

0.0000, 0.0000,
0.0000

65.8326, 0.2333,
0.2962

65.8326, 0.2333,
0.2962

61.9578, 0.2242,
0.2896

70.2469, 0.2442,
0.3027

58.5722, 0.2170,
0.2829

75.2310, 0.2567,
0.3089

55.6278, 0.2118,
0.2762

80.8212, 0.2704,
0.3147

53.0563, 0.2085,
0.2697

87.0487, 0.2850,
0.3202

■ 52.5787, 0.2079,
0.2684

■ 93.9423, 0.3002,
0.3253

99.9993, 0.3127,
0.3290

Harmonies

Analogous

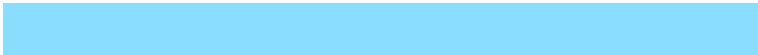
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8326, 0.2499, 0.3370



65.8326, 0.2333, 0.2962



65.8326, 0.2361, 0.2686

Triad

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



65.8326, 0.2333, 0.2962



65.8326, 0.3391, 0.2857



65.8326, 0.3671, 0.4055

Complementary

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



65.8326, 0.2333, 0.2962



39.3580, 0.4743, 0.3562

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.



65.8326, 0.3945, 0.3846



65.8326, 0.2333, 0.2962



65.8326, 0.3785, 0.3167

Square

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



65.8326, 0.2333, 0.2962



65.8326, 0.2945, 0.2649



65.8326, 0.3993, 0.3520



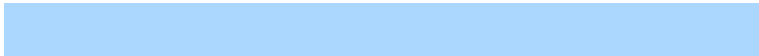
65.8326, 0.3261, 0.4049

Rectangle

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



65.8326, 0.2333, 0.2962



65.8326, 0.2484, 0.2598



65.8326, 0.3993, 0.3520



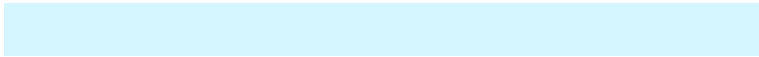
65.8326, 0.3783, 0.4005

Sweetspot

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



65.8351, 0.2333, 0.2962



87.7463, 0.2866, 0.3208



76.2942, 0.2941, 0.4883



18.4993, 0.2836, 0.3197



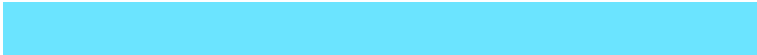
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.8351, 0.2333, 0.2962



61.2647, 0.2226, 0.2883



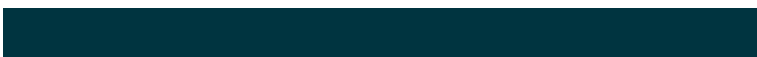
34.2265, 0.2126, 0.2018



19.8851, 0.2980, 0.3246



27.6794, 0.2082, 0.2695



2.8348, 0.2103, 0.2770

Inverse Universe

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



37.3706, 0.3451, 0.2132



31.7967, 0.3537, 0.1969



66.2946, 0.4239, 0.4266



18.2402, 0.3166, 0.3098



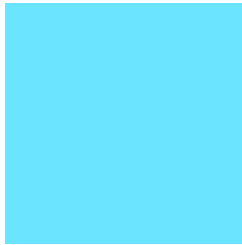
13.5222, 0.3733, 0.1830



1.3307, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 65.8326, 0.2333, 0.2962 looks on a white background.

Color Contrast Check

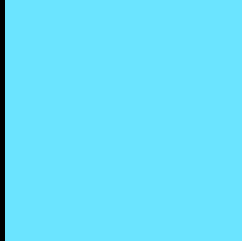
Large Text (above 18pt) WCAG AA × Fail

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 65.8326, 0.2333, 0.2962 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 65.8326, 0.2333, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 65.8326, 0.2333, 0.2962.



This preview shows how white text looks on a background with the Yxy color 65.8326, 0.2333, 0.2962.

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

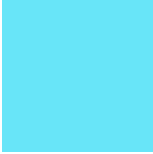
65.8326, 0.2333, 0.2962

Protanopia

64.9909, 0.2881, 0.2925

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

65.7590, 0.2354, 0.3055

Trichromacy



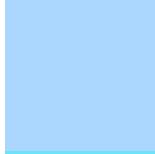
Original Color

65.8326, 0.2333, 0.2962



Protanomaly

64.2622, 0.2631, 0.2930



Deuteranomaly

64.4788, 0.2599, 0.2833



Tritanomaly

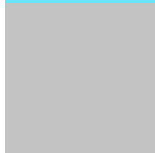
66.0069, 0.2345, 0.3020

Monochromacy



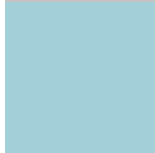
Original Color

65.8326, 0.2333, 0.2962



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.4219, 0.2752, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8326, 0.2333, 0.2962 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(107, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8326, 0.2333, 0.2962 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(107, 228, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8326, 0.2333, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 228, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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