

Converting Colors

$Yxy(75.1658, 0.2053, 0.2024)$

Have a look what the booklet for
Yxy(75.1658, 0.2053, 0.2024)
contains.

Yxy(66.2798, 0.2412, 0.2944)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.2798, 0.2412, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	81E2FF
RGB	129, 226, 255
RGB Percent	51%, 89%, 100%
CMY	0.4941, 0.1137, 0.0000
CMYK	0.49, 0.11, 0.00, 0.00
HSL	194°, 100%, 75%
HSV	194°, 49%, 100%
XYZ	54.3026, 66.2798, 104.5528
YIQ	200.3030, -67.1210, -11.5450

Conversions

Conversions Part 2

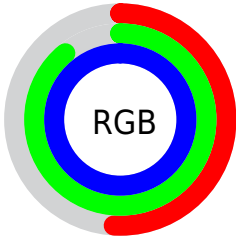
Format	Color
RYB	129, 184, 255
Decimal	8512255
CIELab	85.14, -21.06, -22.94
CIELCh	85, 31.135, 227.446
Yxy	66.2798, 0.2412, 0.2944
Android (android.graphics.Color)	4286702335 (0xFF81E2FF)
YUV	200.3030, 26.9656, -62.5327
Hunter-Lab	81.4124, -23.4110, -19.1537

Details

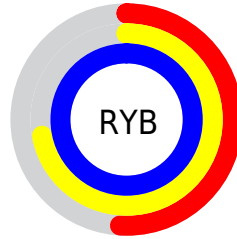
The Yxy color **66.2798, 0.2412, 0.2944** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.3036, 0.4364, 0.3594**, and the grayscale version is **57.8192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **34.3963, 0.2254, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **61.3892, 0.2299, 0.2861**, and if you desaturate by 10%, it is **71.7806, 0.2540, 0.3024**.

Distribution



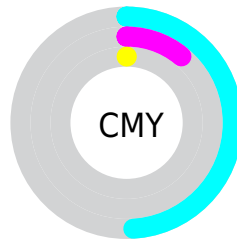
- Red (51%)
- Green (89%)
- Blue (100%)



- Red (51%)
- Yellow (72%)
- Blue (100%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2798, 0.2412, 0.2944 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 66.2798, 0.2412, 0.2944 by changing the saturation by 10% instead.


 66.2798, 0.2412,
0.2944


 66.2798, 0.2412,
0.2944

447.3769, 0.2738,
0.3114


 48.4996, 0.2339,
0.2903


 113.8878, 0.2524,
0.3004

 34.2227, 0.2250,
0.2852


 144.4844, 0.2568,
0.3027

 23.0647, 0.2139,
0.2786


 180.1219, 0.2606,
0.3047

 14.6413, 0.1998,
0.2699

221.1847, 0.2639,
0.3064

 8.5680, 0.1812,
0.2576

268.0572, 0.2668,
0.3079

 4.4605, 0.1558,
0.2396

321.1238, 0.2694,

 1.9344, 0.1203,

0.3092

0.2112

380.7689, 0.2717,
0.3103

■ 0.5689, 0.0078,
0.1651

■ 0.0000, 0.0000,
0.0000

■ 66.2798, 0.2412,
0.2944

■ 66.2798, 0.2412,
0.2944

■ 61.3892, 0.2299,
0.2861

■ 71.7806, 0.2540,
0.3024

■ 57.0658, 0.2204,
0.2775

■ 77.9225, 0.2680,
0.3100

■ 53.2667, 0.2128,
0.2689

■ 84.7388, 0.2828,
0.3170

■ 49.9397, 0.2072,
0.2603

■ 92.2590, 0.2981,
0.3235

■ 47.0046, 0.2034,
0.2518

100.0000, 0.3127,
0.3290

■ 46.8371, 0.2032,
0.2513

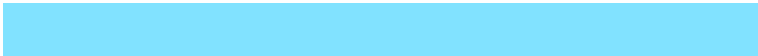
Harmonies

Analogous

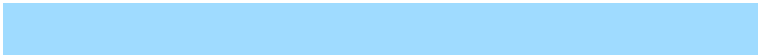
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2798, 0.2528, 0.3287



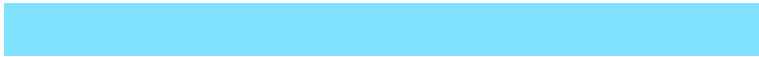
66.2798, 0.2412, 0.2944



66.2798, 0.2471, 0.2725

Triad

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



66.2798, 0.2412, 0.2944



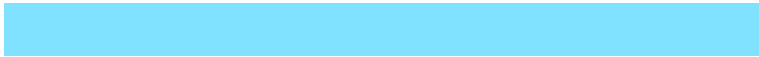
66.2798, 0.3438, 0.2955



66.2798, 0.3545, 0.3980

Complementary

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



66.2798, 0.2412, 0.2944



47.3036, 0.4364, 0.3594

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.



66.2798, 0.3816, 0.3834



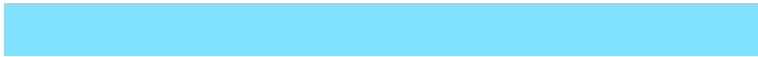
66.2798, 0.2412, 0.2944



66.2798, 0.3759, 0.3245

Square

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



66.2798, 0.2412, 0.2944



66.2798, 0.3044, 0.2746



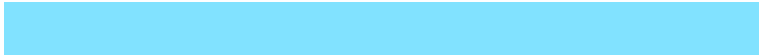
66.2798, 0.3899, 0.3561



66.2798, 0.3172, 0.3924

Rectangle

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



66.2798, 0.2412, 0.2944



66.2798, 0.2604, 0.2665



66.2798, 0.3899, 0.3561



66.2798, 0.3652, 0.3951

Sweetspot

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



66.2812, 0.2412, 0.2944



87.9640, 0.2895, 0.3199



78.5991, 0.2930, 0.4530



18.4940, 0.2863, 0.3185



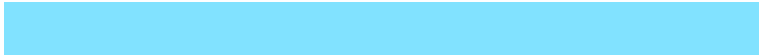
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.2812, 0.2412, 0.2944



61.5766, 0.2303, 0.2864



38.6939, 0.2261, 0.2160



19.7307, 0.2980, 0.3234



24.7110, 0.2036, 0.2528



2.5703, 0.2062, 0.2625

Inverse Universe

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



42.4552, 0.3450, 0.2331



36.4586, 0.3534, 0.2176



73.6671, 0.4022, 0.4196



18.2246, 0.3173, 0.3109



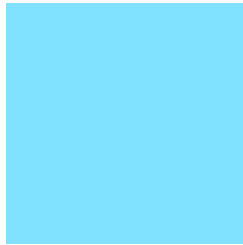
13.2226, 0.3895, 0.1919



1.3040, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 66.2798, 0.2412, 0.2944 looks on a white background.

Color Contrast Check

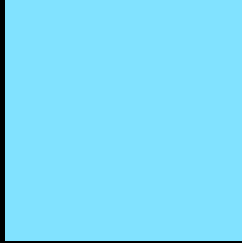
Large Text (above 18pt) WCAG AA × Fail

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 66.2798, 0.2412, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

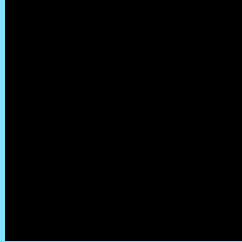
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2798, 0.2412, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 66.2798, 0.2412, 0.2944.

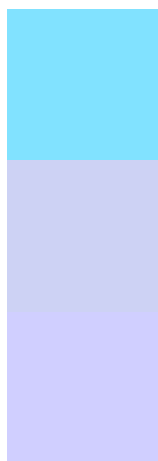


This preview shows how white text looks on a background with the Yxy color 66.2798, 0.2412, 0.2944.

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

66.2798, 0.2412, 0.2944

Protanopia

65.6040, 0.2869, 0.2916

Deuteranopia

65.2555, 0.2820, 0.2773



Tritanopia

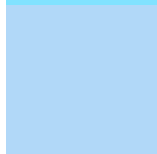
66.5762, 0.2444, 0.3071

Trichromacy



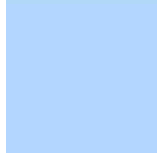
Original Color

66.2798, 0.2412, 0.2944



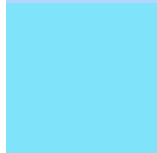
Protanomaly

65.2362, 0.2673, 0.2924



Deuteranomaly

64.8968, 0.2644, 0.2828



Tritanomaly

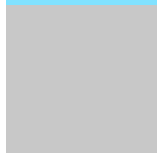
66.2897, 0.2432, 0.3024

Monochromacy



Original Color

66.2798, 0.2412, 0.2944



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.7669, 0.2808, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2798, 0.2412, 0.2944 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(129, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 226, 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(129, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.2798, 0.2412, 0.2944 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(129, 226, 255) }
```

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

```
.border{ border-color:rgb(129, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2798, 0.2412, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 226, 255) }
```

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

```
.background{ background-color: rgb(129,  
226, 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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