

Converting Colors

$Y_{xy}(66.5629, 0.2322, 0.2984)$

Have a look what the booklet for
Yxy(66.5629, 0.2322, 0.2984)
contains.

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Color

Yxy(66.6384, 0.2322, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	66E6FF
RGB	102, 230, 255
RGB Percent	40%, 90%, 100%
CMY	0.6001, 0.0980, 0.0001
CMYK	0.60, 0.10, 0.00, 0.00
HSL	190°, 100%, 70%
HSV	190°, 60%, 100%
XYZ	51.8199, 66.6384, 104.7111
YIQ	194.5780, -84.3130, -19.3610

Conversions

Conversions Part 2

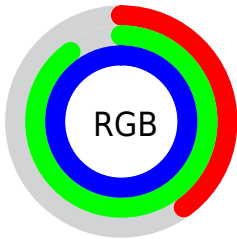
Format	Color
RYB	102, 172, 255
Decimal	6743807
CIELab	85.32, -28.26, -22.72
CIElCh	85, 36.263, 218.797
Yxy	66.6384, 0.2322, 0.2986
Android (android.graphics.Color)	4284933887 (0xFF66E6FF)
YUV	194.5780, 29.7880, -81.1909
Hunter-Lab	81.6323, -29.5454, -18.9096

Details

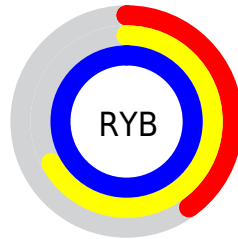
The Yxy color **66.6384, 0.2322, 0.2986** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.3767, 0.4846, 0.3537**, and the grayscale version is **54.1644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **34.3816, 0.2143, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **63.0858, 0.2237, 0.2927**, and if you desaturate by 10%, it is **70.7091, 0.2425, 0.3044**.

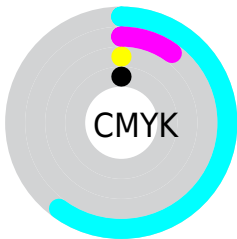
Distribution



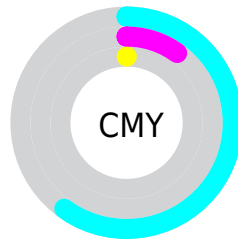
- Red (40%)
- Green (90%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6384, 0.2322, 0.2986 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 66.6384, 0.2322, 0.2986 by changing the saturation by 10% instead.


 66.6384, 0.2322,
0.2986

 66.6384, 0.2322,
0.2986


448.6566, 0.2687,
0.3139


 48.7908, 0.2241,
0.2948


 114.4021, 0.2447,
0.3041

 34.4536, 0.2143,
0.2901


 145.0871, 0.2496,
0.3062

 23.2423, 0.2020,
0.2839


 180.8199, 0.2538,
0.3080

 14.7725, 0.1865,
0.2755

221.9850, 0.2576,
0.3095

 8.6599, 0.1663,
0.2637

268.9669, 0.2608,
0.3108

 4.5200, 0.1393,
0.2461

322.1498, 0.2638,

 1.9685, 0.1023,

0.3120

0.2178

381.9183, 0.2664,
0.3130

■ 0.5891, 0.0000,
0.1706

■ 0.0000, 0.0000,
0.0000

■ 66.6384, 0.2322,
0.2986

■ 66.6384, 0.2322,
0.2986

■ 63.0858, 0.2237,
0.2927

■ 70.7091, 0.2425,
0.3044

■ 59.9998, 0.2172,
0.2868

■ 75.3289, 0.2545,
0.3099

■ 57.3308, 0.2127,
0.2809

■ 80.5347, 0.2678,
0.3152

■ 54.9938, 0.2098,
0.2751

■ 86.3579, 0.2821,
0.3202

■ 92.8275, 0.2972,
0.3248

99.9706, 0.3127,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



66.6384, 0.2508, 0.3412



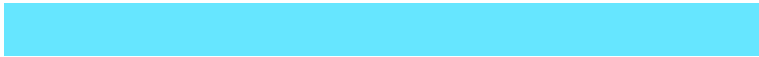
66.6384, 0.2322, 0.2986



66.6384, 0.2333, 0.2689

Triad

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



66.6384, 0.2322, 0.2986



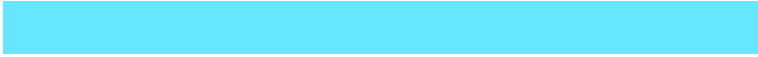
66.6384, 0.3356, 0.2824



66.6384, 0.3716, 0.4063

Complementary

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



66.6384, 0.2322, 0.2986



37.3767, 0.4846, 0.3537

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.



66.6384, 0.3980, 0.3832



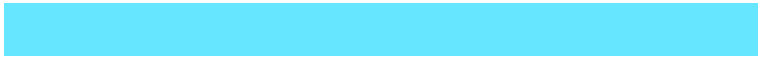
66.6384, 0.2322, 0.2986



66.6384, 0.3772, 0.3132

Square

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



66.6384, 0.2322, 0.2986



66.6384, 0.2902, 0.2622



66.6384, 0.4006, 0.3492



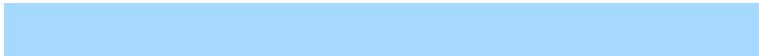
66.6384, 0.3304, 0.4080

Rectangle

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



66.6384, 0.2322, 0.2986



66.6384, 0.2448, 0.2589



66.6384, 0.4006, 0.3492



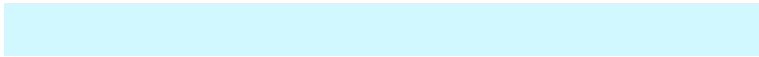
66.6384, 0.3826, 0.4004

Sweetspot

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



66.6409, 0.2322, 0.2986



87.6248, 0.2851, 0.3212



75.8025, 0.2948, 0.4975



18.3705, 0.2808, 0.3198



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.



66.6409, 0.2322, 0.2986



62.4506, 0.2223, 0.2915



33.6606, 0.2100, 0.2001



19.9471, 0.2980, 0.3250



28.9312, 0.2100, 0.2761



2.9455, 0.2119, 0.2827

Inverse Universe

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



36.4672, 0.3434, 0.2078



31.2563, 0.3511, 0.1922



64.1840, 0.4298, 0.4269



18.2465, 0.3163, 0.3093



13.6486, 0.3671, 0.1796



1.3419, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 66.6384, 0.2322, 0.2986 looks on a white background.

Color Contrast Check

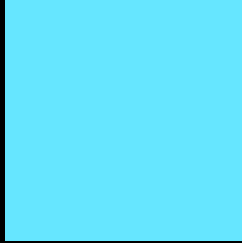
Large Text (above 18pt) WCAG AA × Fail

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 66.6384, 0.2322, 0.2986 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 66.6384, 0.2322, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 66.6384, 0.2322, 0.2986.

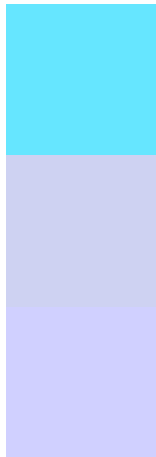


This preview shows how white text looks on a background with the Yxy color 66.6384, 0.2322, 0.2986.

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

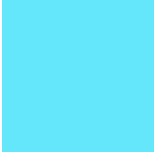
66.6384, 0.2322, 0.2986

Protanopia

65.6258, 0.2888, 0.2937

Deuteranopia

65.7416, 0.2821, 0.2784



Tritanopia

66.7633, 0.2338, 0.3056

Trichromacy



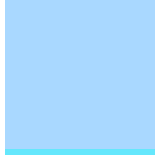
Original Color

66.6384, 0.2322, 0.2986



Protanomaly

64.6659, 0.2627, 0.2941



Deuteranomaly

64.7667, 0.2589, 0.2844



Tritanomaly

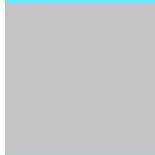
66.9468, 0.2333, 0.3033

Monochromacy



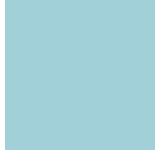
Original Color

66.6384, 0.2322, 0.2986



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.6986, 0.2741, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6384, 0.2322, 0.2986 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.6384, 0.2322, 0.2986 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, 230, 255) }
```

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

```
.border{ border-color:rgb(102, 230, 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, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6384, 0.2322, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 230, 255) }
```

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

```
.background{ background-color: rgb(102,  
230, 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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