

Converting Colors

$Yxy(66.3993, 0.2353, 0.2977)$

Have a look what the booklet for
Yxy(66.3993, 0.2353, 0.2977)
contains.

Yxy(66.6391, 0.2357, 0.2987)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6391, 0.2357, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	70E5FE
RGB	112, 229, 254
RGB Percent	44%, 90%, 100%
CMY	0.5611, 0.1019, 0.0038
CMYK	0.56, 0.10, 0.00, 0.00
HSL	191°, 99%, 72%
HSV	191°, 56%, 100%
XYZ	52.5840, 66.6391, 103.8740
YIQ	196.8670, -77.7570, -17.0290

Conversions

Conversions Part 2

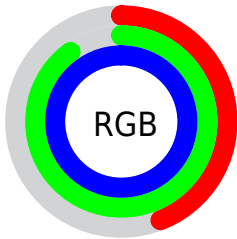
Format	Color
R _Y B	112, 176, 254
Decimal	7398910
CIE Lab	85.32, -26.27, -22.19
CIE LCh	85, 34.386, 220.195
Yxy	66.6391, 0.2357, 0.2987
Android (android.graphics.Color)	4285588990 (0xFF70E5FE)
YUV	196.8670, 28.1666, -74.4284
Hunter-Lab	81.6328, -27.8761, -18.3009

Details

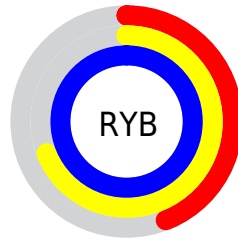
The Yxy color **66.6391, 0.2357, 0.2987** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.1102, 0.4662, 0.3546**, and the grayscale version is **55.6008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **34.3497, 0.2186, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **62.7632, 0.2263, 0.2924**, and if you desaturate by 10%, it is **71.0535, 0.2469, 0.3049**.

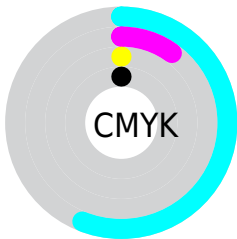
Distribution



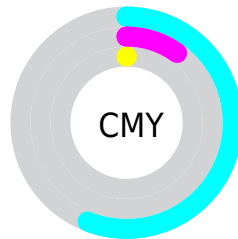
- Red (44%)
- Green (90%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6391, 0.2357, 0.2987 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 66.6391, 0.2357, 0.2987 by changing the saturation by 10% instead.

 66.6391, 0.2357,
0.2987

 66.6391, 0.2357,
0.2987


448.6591, 0.2707,
0.3139


 48.7914, 0.2279,
0.2950

 114.4031, 0.2477,
0.3042

 34.4540, 0.2184,
0.2903


 145.0882, 0.2524,
0.3062

 23.2426, 0.2067,
0.2842


 180.8213, 0.2565,
0.3080

 14.7728, 0.1917,
0.2760

221.9866, 0.2600,
0.3095

 8.6601, 0.1720,
0.2645

268.9687, 0.2632,
0.3108

 4.5201, 0.1456,
0.2472

322.1518, 0.2660,

 1.9686, 0.1090,

0.3119

381.9205, 0.2685,
0.3130

0.2195

0.5891, 0.0000,
0.1744

0.0000, 0.0000,
0.0000

66.6391, 0.2357,
0.2987

66.6391, 0.2357,
0.2987

62.7632, 0.2263,
0.2924

71.0535, 0.2469,
0.3049

59.3770, 0.2188,
0.2859

76.0352, 0.2596,
0.3108

56.4351, 0.2133,
0.2795

81.6196, 0.2734,
0.3164

53.8779, 0.2096,
0.2732

87.8371, 0.2882,
0.3216

■ 52.9152, 0.2085,
0.2706

■ 94.7155, 0.3035,
0.3264

99.9371, 0.3133,
0.3299

Harmonies

Analogous

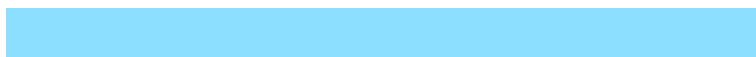
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.6391, 0.2527, 0.3387



66.6391, 0.2357, 0.2987



66.6391, 0.2376, 0.2711

Triad

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



66.6391, 0.2357, 0.2987



66.6391, 0.3366, 0.2858



66.6391, 0.3672, 0.4029

Complementary

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



66.6391, 0.2357, 0.2987



40.1102, 0.4662, 0.3546

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.



66.6391, 0.3930, 0.3820



66.6391, 0.2357, 0.2987



66.6391, 0.3753, 0.3157

Square

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



66.6391, 0.2357, 0.2987



66.6391, 0.2933, 0.2659



66.6391, 0.3964, 0.3500



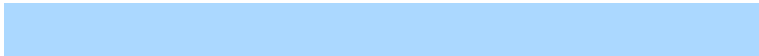
66.6391, 0.3277, 0.4031

Rectangle

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



66.6391, 0.2357, 0.2987



66.6391, 0.2492, 0.2619



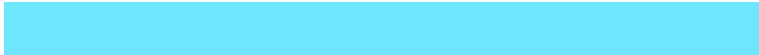
66.6391, 0.3964, 0.3500



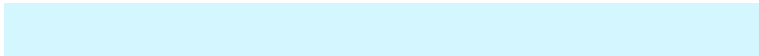
66.6391, 0.3778, 0.3978

Sweetspot

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



66.6416, 0.2357, 0.2987



87.9140, 0.2866, 0.3211



76.1020, 0.2945, 0.4816



18.5392, 0.2836, 0.3200



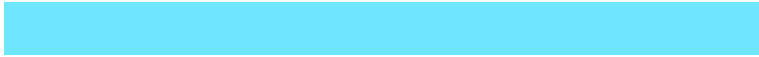
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.6416, 0.2357, 0.2987



62.9267, 0.2254, 0.2917



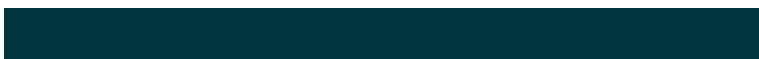
35.4882, 0.2162, 0.2073



19.9055, 0.2980, 0.3247



28.0882, 0.2088, 0.2717



2.8710, 0.2108, 0.2789

Inverse Universe

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



38.3007, 0.3427, 0.2159



33.0566, 0.3503, 0.1997



66.6991, 0.4194, 0.4237



18.2423, 0.3165, 0.3096



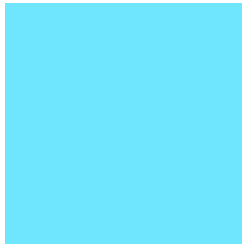
13.5635, 0.3713, 0.1819



1.3344, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 66.6391, 0.2357, 0.2987 looks on a white background.

Color Contrast Check

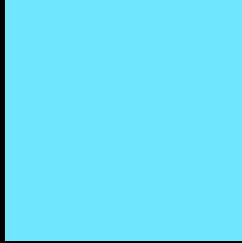
Large Text (above 18pt) WCAG AA × Fail

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 66.6391, 0.2357, 0.2987 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 66.6391, 0.2357, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 66.6391, 0.2357, 0.2987.

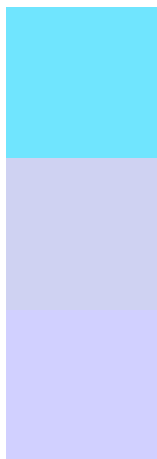


This preview shows how white text looks on a background with the Yxy color 66.6391, 0.2357, 0.2987.

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

66.6391, 0.2357, 0.2987

Protanopia

65.7694, 0.2895, 0.2938

Deuteranopia

65.8871, 0.2828, 0.2785



Tritanopia

66.7482, 0.2374, 0.3057

Trichromacy



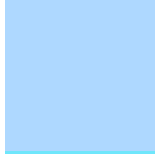
Original Color

66.6391, 0.2357, 0.2987



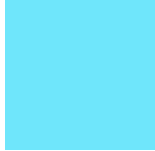
Protanomaly

65.0502, 0.2655, 0.2954



Deuteranomaly

65.3304, 0.2618, 0.2847



Tritanomaly

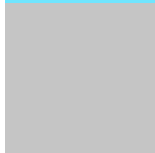
66.9382, 0.2369, 0.3034

Monochromacy



Original Color

66.6391, 0.2357, 0.2987



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.7699, 0.2768, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6391, 0.2357, 0.2987 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(112, 229, 254)` looks like.

```
.text, #text, p{  
    color:rgb(112, 229, 254)  
}
```

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(112, 229, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 229, 254) }
```

Border

The CSS property to change the border of an element to Yxy 66.6391, 0.2357, 0.2987 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(112, 229, 254) }
```

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

```
.border{ border-color:rgb(112, 229, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 229, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 229, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 229, 254);  
box-shadow:4px 4px 4px 4px rgb(112, 229,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6391, 0.2357, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 229, 254) }
```

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

```
.background{ background-color: rgb(112,  
229, 254) }
```

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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