

Converting Colors

$Yxy(66.8360, 0.2361, 0.2976)$

Have a look what the booklet for
Yxy(66.8360, 0.2361, 0.2976)
contains.

Yxy(66.8360, 0.2361, 0.2976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8360, 0.2361, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	72E5FF
RGB	114, 229, 255
RGB Percent	45%, 90%, 100%
CMY	0.5523, 0.1020, 0.0000
CMYK	0.55, 0.10, 0.00, 0.00
HSL	191°, 100%, 72%
HSV	191°, 55%, 100%
XYZ	53.0241, 66.8360, 104.7232
YIQ	197.5790, -76.8860, -16.2940

Conversions

Conversions Part 2

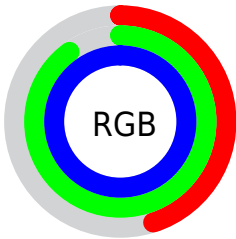
Format	Color
RYB	114, 177, 255
Decimal	7529983
CIELab	85.42, -25.55, -22.56
CIELCh	85, 34.085, 221.435
Yxy	66.8360, 0.2361, 0.2976
Android (android.graphics.Color)	4285720063 (0xFF72E5FF)
YUV	197.5790, 28.3086, -73.2988
Hunter-Lab	81.7533, -27.2955, -18.7212

Details

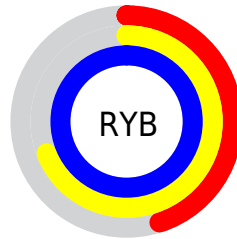
The Yxy color **66.8360, 0.2361, 0.2976** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.2832, 0.4625, 0.3557**, and the grayscale version is **56.0860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **34.4566, 0.2188, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **62.7857, 0.2264, 0.2909**, and if you desaturate by 10%, it is **71.4371, 0.2475, 0.3041**.

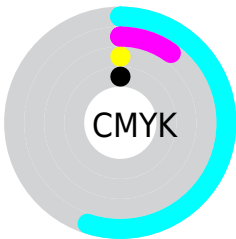
Distribution



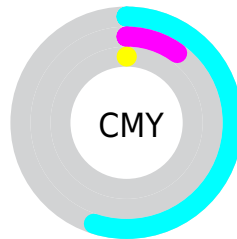
- Red (45%)
- Green (90%)
- Blue (100%)



- Red (45%)
- Yellow (69%)
- Blue (100%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8360, 0.2361, 0.2976 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 66.8360, 0.2361, 0.2976 by changing the saturation by 10% instead.


 66.8360, 0.2361,
0.2976


 66.8360, 0.2361,
0.2976

449.3608, 0.2709,
0.3132

 48.9514, 0.2284,
0.2938


 114.6854, 0.2480,
0.3032

 34.5809, 0.2190,
0.2890


 145.4189, 0.2527,
0.3053

 23.3402, 0.2072,
0.2828


 181.2042, 0.2567,
0.3072

 14.8449, 0.1923,
0.2744

222.4256, 0.2603,
0.3087

 8.7106, 0.1729,
0.2626

269.4676, 0.2634,
0.3101

 4.5529, 0.1466,
0.2452

322.7146, 0.2662,

 1.9874, 0.1103,

0.3112

0.2173

382.5508, 0.2687,
0.3123

0.6001, 0.0000,
0.1732

0.0000, 0.0000,
0.0000

66.8360, 0.2361,
0.2976

66.8360, 0.2361,
0.2976

62.7857, 0.2264,
0.2909

71.4371, 0.2475,
0.3041

59.2400, 0.2187,
0.2842

76.6205, 0.2604,
0.3103

56.1524, 0.2129,
0.2774

82.4210, 0.2744,
0.3162

53.4640, 0.2090,
0.2707

88.8689, 0.2892,
0.3216

■ 52.2832, 0.2077,
0.2675

■ 95.9925, 0.3046,
0.3266

100.0000, 0.3127,
0.3290

Harmonies

Analogous

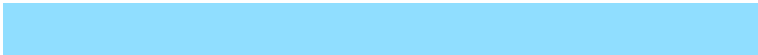
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8360, 0.2522, 0.3368



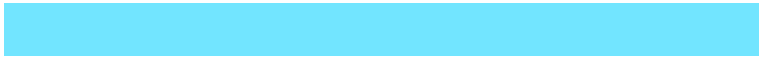
66.8360, 0.2361, 0.2976



66.8360, 0.2387, 0.2708

Triad

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



66.8360, 0.2361, 0.2976



66.8360, 0.3381, 0.2872



66.8360, 0.3652, 0.4027

Complementary

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



66.8360, 0.2361, 0.2976



41.2832, 0.4625, 0.3557

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.



66.8360, 0.3915, 0.3827



66.8360, 0.2361, 0.2976



66.8360, 0.3760, 0.3172

Square

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



66.8360, 0.2361, 0.2976



66.8360, 0.2952, 0.2670



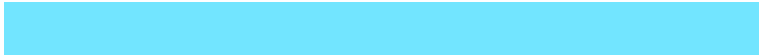
66.8360, 0.3959, 0.3513



66.8360, 0.3258, 0.4018

Rectangle

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



66.8360, 0.2361, 0.2976



66.8360, 0.2507, 0.2622



66.8360, 0.3959, 0.3513



66.8360, 0.3760, 0.3979

Sweetspot

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



66.8377, 0.2361, 0.2976



87.6824, 0.2866, 0.3207



77.0002, 0.2936, 0.4764



18.4840, 0.2836, 0.3196



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.



66.8377, 0.2361, 0.2976



62.4971, 0.2258, 0.2904



35.5191, 0.2168, 0.2061



19.8773, 0.2980, 0.3245



27.5245, 0.2080, 0.2686



2.8211, 0.2101, 0.2763

Inverse Universe

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



38.9851, 0.3435, 0.2180



33.4051, 0.3512, 0.2021



68.7683, 0.4165, 0.4248



18.2394, 0.3166, 0.3098



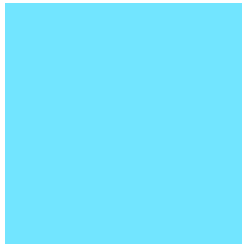
13.5066, 0.3741, 0.1835



1.3293, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 66.8360, 0.2361, 0.2976 looks on a white background.

Color Contrast Check

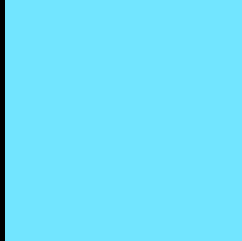
Large Text (above 18pt) WCAG AA × Fail

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 66.8360, 0.2361, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

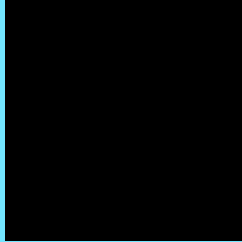
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8360, 0.2361, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 66.8360, 0.2361, 0.2976.



This preview shows how white text looks on a background with the Yxy color 66.8360, 0.2361, 0.2976.

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

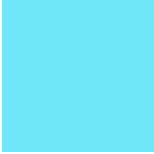
66.8360, 0.2361, 0.2976

Protanopia

65.8296, 0.2889, 0.2928

Deuteranopia

65.8871, 0.2828, 0.2785



Tritanopia

66.8779, 0.2381, 0.3057

Trichromacy



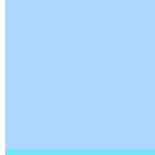
Original Color

66.8360, 0.2361, 0.2976



Protanomaly

65.2253, 0.2656, 0.2944



Deuteranomaly

65.4457, 0.2623, 0.2848



Tritanomaly

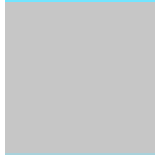
67.0694, 0.2376, 0.3034

Monochromacy



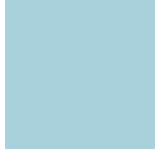
Original Color

66.8360, 0.2361, 0.2976



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.0402, 0.2775, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8360, 0.2361, 0.2976 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(114, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 229, 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(114, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8360, 0.2361, 0.2976 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(114, 229, 255) }
```

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

```
.border{ border-color:rgb(114, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 229, 255); box-shadow:4px 4px 4px 4px rgb(114, 229, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8360, 0.2361, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 229, 255) }
```

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

```
.background{ background-color: rgb(114,  
229, 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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