

Converting Colors

$Yxy(67.0488, 0.2364, 0.2980)$

Have a look what the booklet for
Yxy(67.0488, 0.2364, 0.2980)
contains.

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Color

Yxy(66.9035, 0.2364, 0.2977)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 73E5FF |
| RGB | 115, 229, 255 |
| RGB Percent | 45%, 90%, 100% |
| CMY | 0.5494, 0.1019, 0.0001 |
| CMYK | 0.55, 0.10, 0.00, 0.00 |
| HSL | 191°, 100%, 73% |
| HSV | 191°, 55%, 100% |
| XYZ | 53.1273, 66.9035, 104.7039 |
| YIQ | 197.8780, -76.2900, -16.0820 |

Conversions

Conversions Part 2

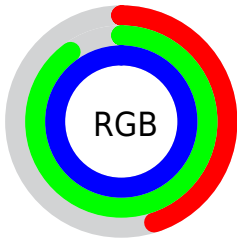
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 115, 178, 255 |
| Decimal | 7595519 |
| CIE Lab | 85.46, -25.43, -22.49 |
| CIE LCh | 85, 33.948, 221.478 |
| Yxy | 66.9035, 0.2364, 0.2977 |
| Android (android.graphics.Color) | 4285785599 (0xFF73E5FF) |
| YUV | 197.8780, 28.1611, -72.6840 |
| Hunter-Lab | 81.7946, -27.2010, -18.6400 |

Details

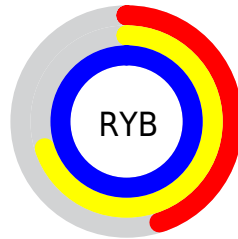
The Yxy color **66.9035, 0.2364, 0.2977** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.5037, 0.4613, 0.3557**, and the grayscale version is **56.2419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **34.4998, 0.2193, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **62.8314, 0.2267, 0.2910**, and if you desaturate by 10%, it is **71.5297, 0.2479, 0.3042**.

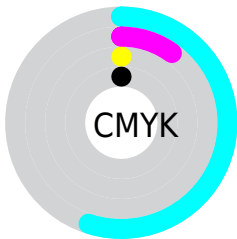
Distribution



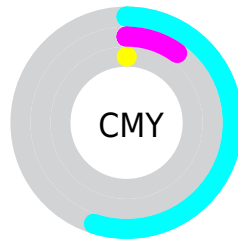
- Red (45%)
- Green (90%)
- Blue (100%)



- Red (45%)
- Yellow (70%)
- 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 66.9035, 0.2364, 0.2977 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 66.9035, 0.2364, 0.2977 by changing the saturation by 10% instead.


 66.9035, 0.2364,
0.2977


 66.9035, 0.2364,
0.2977


449.6012, 0.2711,
0.3133


 49.0062, 0.2287,
0.2939


 114.7821, 0.2483,
0.3033

 34.6244, 0.2193,
0.2891


 145.5323, 0.2529,
0.3054

 23.3737, 0.2077,
0.2829


 181.3354, 0.2570,
0.3072

 14.8697, 0.1928,
0.2746

222.5761, 0.2605,
0.3088

 8.7280, 0.1734,
0.2629

269.6386, 0.2636,
0.3101

 4.5642, 0.1472,
0.2455

322.9074, 0.2664,

 1.9939, 0.1110,

0.3113

382.7668, 0.2688,
0.3123

0.2178

0.6039, 0.0000,
0.1742

0.0000, 0.0000,
0.0000

66.9035, 0.2364,
0.2977

66.9035, 0.2364,
0.2977

62.8314, 0.2267,
0.2910

71.5297, 0.2479,
0.3042

59.2646, 0.2188,
0.2842

76.7387, 0.2608,
0.3104

56.1581, 0.2130,
0.2774

82.5662, 0.2748,
0.3163

53.4530, 0.2091,
0.2707

89.0424, 0.2897,
0.3217

■ 52.1940, 0.2076,
0.2673

■ 96.1955, 0.3050,
0.3267

99.9988, 0.3127,
0.3290

Harmonies

Analogous

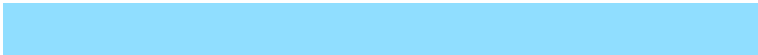
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.9035, 0.2524, 0.3368



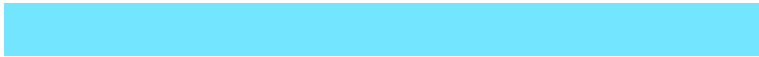
66.9035, 0.2364, 0.2977



66.9035, 0.2390, 0.2711

Triad

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



66.9035, 0.2364, 0.2977



66.9035, 0.3381, 0.2874



66.9035, 0.3650, 0.4024

Complementary

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



66.9035, 0.2364, 0.2977



41.5037, 0.4613, 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.



66.9035, 0.3912, 0.3825



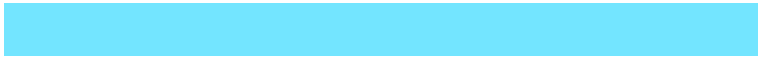
66.9035, 0.2364, 0.2977



66.9035, 0.3758, 0.3173

Square

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



66.9035, 0.2364, 0.2977



66.9035, 0.2953, 0.2673



66.9035, 0.3956, 0.3513



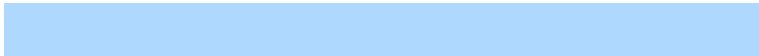
66.9035, 0.3257, 0.4015

Rectangle

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



66.9035, 0.2364, 0.2977



66.9035, 0.2510, 0.2625



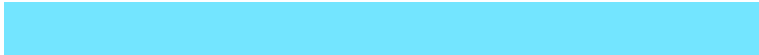
66.9035, 0.3956, 0.3513



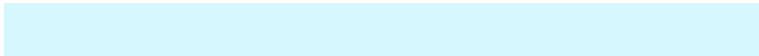
66.9035, 0.3757, 0.3976

Sweetspot

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



66.9060, 0.2364, 0.2977



88.3358, 0.2881, 0.3212



77.0572, 0.2937, 0.4755



18.6136, 0.2850, 0.3201



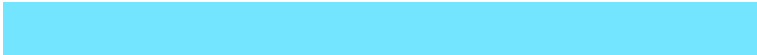
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.9060, 0.2364, 0.2977



62.4386, 0.2257, 0.2903



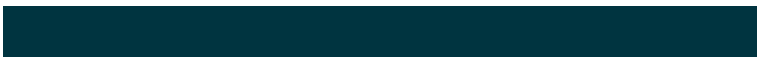
35.7447, 0.2173, 0.2068



19.8752, 0.2980, 0.3245



27.4830, 0.2079, 0.2684



2.8174, 0.2100, 0.2761

Inverse Universe

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



39.1550, 0.3434, 0.2186



33.3992, 0.3514, 0.2021



68.8942, 0.4159, 0.4244



18.2392, 0.3167, 0.3098



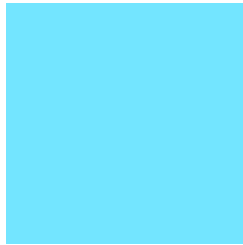
13.5024, 0.3743, 0.1836



1.3290, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 66.9035, 0.2364, 0.2977 looks on a white background.

Color Contrast Check

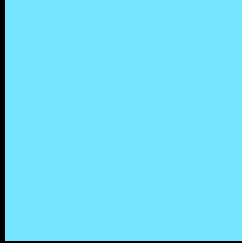
Large Text (above 18pt) WCAG AA × Fail

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 66.9035, 0.2364, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

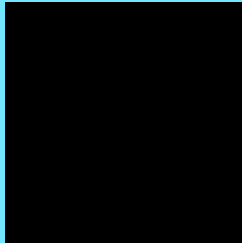
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9035, 0.2364, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 66.9035, 0.2364, 0.2977.



This preview shows how white text looks on a background with the Yxy color 66.9035, 0.2364, 0.2977.

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

66.9035, 0.2364, 0.2977

Protanopia

66.3250, 0.2889, 0.2939

Deuteranopia

65.8871, 0.2828, 0.2785



Tritanopia

66.9439, 0.2384, 0.3058

Trichromacy



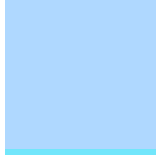
Original Color

66.9035, 0.2364, 0.2977



Protanomaly

65.8569, 0.2663, 0.2956



Deuteranomaly

65.4457, 0.2623, 0.2848



Tritanomaly

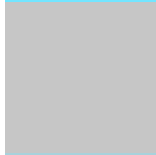
67.1361, 0.2380, 0.3035

Monochromacy



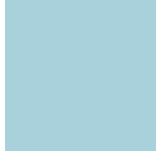
Original Color

66.9035, 0.2364, 0.2977



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 66.9035, 0.2364, 0.2977 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(115, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.9035, 0.2364, 0.2977 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(115, 229, 255) }
```

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

```
.border{ border-color:rgb(115, 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(115, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9035, 0.2364, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 229, 255) }
```

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

```
.background{ background-color: rgb(115,  
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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