

Converting Colors

$Yxy(63.4871, 0.2343, 0.2900)$

Have a look what the booklet for
Yxy(63.4871, 0.2343, 0.2900)
contains.

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Color

Yxy(63.5728, 0.2345, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	72DFFF
RGB	114, 223, 255
RGB Percent	45%, 87%, 100%
CMY	0.5525, 0.1255, 0.0000
CMYK	0.55, 0.13, 0.00, 0.00
HSL	194°, 100%, 72%
HSV	194°, 55%, 100%
XYZ	51.3886, 63.5728, 104.1796
YIQ	194.0570, -75.2360, -13.1560

Conversions

Conversions Part 2

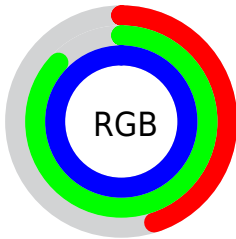
Format	Color
RYB	114, 175, 255
Decimal	7528447
CIELab	83.74, -22.60, -25.11
CIELCh	84, 33.778, 228.013
Yxy	63.5728, 0.2345, 0.2901
Android (android.graphics.Color)	4285718527 (0xFF72DFFF)
YUV	194.0570, 30.0449, -70.2100
Hunter-Lab	79.7326, -24.4866, -21.6563

Details

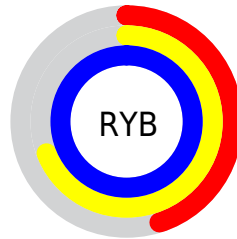
The Yxy color **63.5728, 0.2345, 0.2901** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0725, 0.4585, 0.3618**, and the grayscale version is **53.8525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **32.6180, 0.2171, 0.2806** is the 20% darker color. If you saturate the color by 10%, you get **59.0511, 0.2242, 0.2818**, and if you desaturate by 10%, it is **68.6802, 0.2464, 0.2982**.

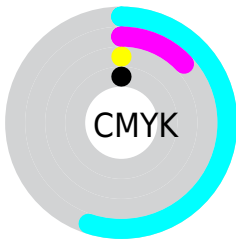
Distribution



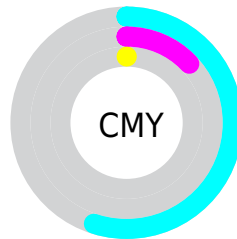
- Red (45%)
- Green (87%)
- Blue (100%)



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



- Cyan (55%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (55%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5728, 0.2345, 0.2901 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 63.5728, 0.2345, 0.2901 by changing the saturation by 10% instead.


 63.5728, 0.2345,
0.2901


 63.5728, 0.2345,
0.2901


437.6453, 0.2703,
0.3093


 46.3048, 0.2265,
0.2855


 109.9955, 0.2468,
0.2970

 32.4864, 0.2167,
0.2796


 139.9189, 0.2516,
0.2996

 21.7333, 0.2046,
0.2721


 174.8295, 0.2558,
0.3018

 13.6610, 0.1891,
0.2620

215.1118, 0.2594,
0.3037

 7.8853, 0.1687,
0.2480

261.1502, 0.2626,
0.3054

 4.0216, 0.1413,
0.2273

313.3289, 0.2655,

 1.6857, 0.1036,

0.3069

0.1949

372.0325, 0.2680,
0.3081

0.4144, 0.0000,
0.1283

0.0000, 0.0000,
0.0000

63.5728, 0.2345,
0.2901

63.5728, 0.2345,
0.2901

59.0511, 0.2242,
0.2818

68.6802, 0.2464,
0.2982

55.0688, 0.2159,
0.2733

74.4056, 0.2598,
0.3059

51.5788, 0.2095,
0.2648

80.7843, 0.2741,
0.3132

48.5215, 0.2051,
0.2564

87.8471, 0.2891,
0.3199

■ 47.1810, 0.2035,
0.2524

■ 95.6226, 0.3046,
0.3260

100.0000, 0.3127,
0.3290

Harmonies

Analogous

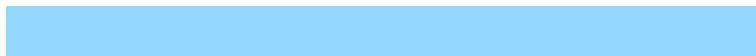
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5728, 0.2467, 0.3276



63.5728, 0.2345, 0.2901



63.5728, 0.2413, 0.2667

Triad

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



63.5728, 0.2345, 0.2901



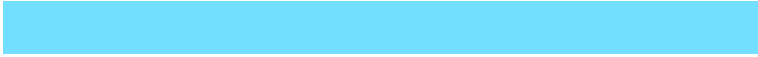
63.5728, 0.3476, 0.2929



63.5728, 0.3577, 0.4051

Complementary

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



63.5728, 0.2345, 0.2901



43.0725, 0.4585, 0.3618

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.



63.5728, 0.3880, 0.3888



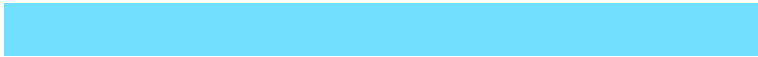
63.5728, 0.2345, 0.2901



63.5728, 0.3828, 0.3245

Square

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



63.5728, 0.2345, 0.2901



63.5728, 0.3043, 0.2700



63.5728, 0.3978, 0.3589



63.5728, 0.3165, 0.3989

Rectangle

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



63.5728, 0.2345, 0.2901



63.5728, 0.2559, 0.2606



63.5728, 0.3978, 0.3589



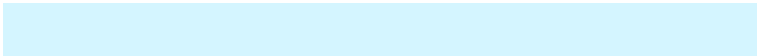
63.5728, 0.3695, 0.4018

Sweetspot

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



63.5744, 0.2345, 0.2901



86.5611, 0.2865, 0.3187



77.1379, 0.2915, 0.4705



18.2172, 0.2834, 0.3174



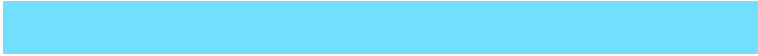
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.5744, 0.2345, 0.2901



58.7346, 0.2235, 0.2811



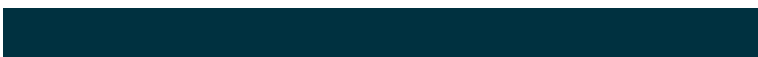
33.9256, 0.2154, 0.1999



19.7402, 0.2980, 0.3235



24.8888, 0.2038, 0.2538



2.5862, 0.2065, 0.2634

Inverse Universe

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



38.6466, 0.3496, 0.2230



33.0253, 0.3593, 0.2077



71.1197, 0.4138, 0.4290



18.2256, 0.3173, 0.3108



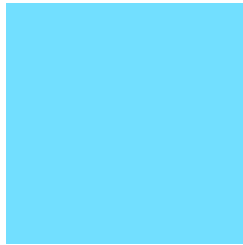
13.2405, 0.3885, 0.1914



1.3056, 0.3791, 0.1862

Previews

White Background



This preview shows how the Yxy color 63.5728, 0.2345, 0.2901 looks on a white background.

Color Contrast Check

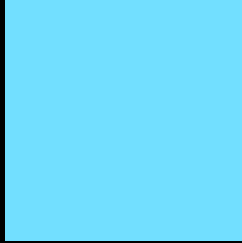
Large Text (above 18pt) WCAG AA × Fail

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 63.5728, 0.2345, 0.2901 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 63.5728, 0.2345, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 63.5728, 0.2345, 0.2901.



This preview shows how white text looks on a background with the Yxy color 63.5728, 0.2345, 0.2901.

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

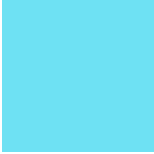
63.5728, 0.2345, 0.2901

Protanopia

62.8930, 0.2839, 0.2877

Deuteranopia

62.9623, 0.2778, 0.2733



Tritanopia

63.6365, 0.2386, 0.3065

Trichromacy



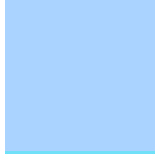
Original Color

63.5728, 0.2345, 0.2901



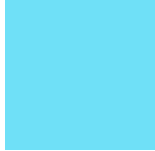
Protanomaly

62.2374, 0.2625, 0.2882



Deuteranomaly

62.3546, 0.2587, 0.2785



Tritanomaly

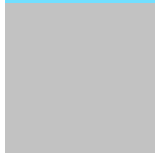
63.4062, 0.2370, 0.3005

Monochromacy



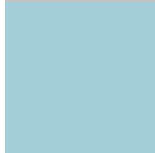
Original Color

63.5728, 0.2345, 0.2901



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.6198, 0.2769, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5728, 0.2345, 0.2901 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.5728, 0.2345, 0.2901 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, 223, 255) }
```

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

```
.border{ border-color:rgb(114, 223, 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, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5728, 0.2345, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 223, 255) }
```

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

```
.background{ background-color: rgb(114,  
223, 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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