

Converting Colors

$Yxy(62.7385, 0.2241, 0.2916)$

Have a look what the booklet for
Yxy(62.7385, 0.2241, 0.2916)
contains.

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Color

Yxy(62.7327, 0.2241, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	4FE1FF
RGB	79, 225, 255
RGB Percent	31%, 88%, 100%
CMY	0.6895, 0.1177, 0.0000
CMYK	0.69, 0.12, 0.00, 0.00
HSL	190°, 100%, 66%
HSV	190°, 69%, 100%
XYZ	48.2112, 62.7327, 104.1888
YIQ	184.7660, -96.6460, -21.6220

Conversions

Conversions Part 2

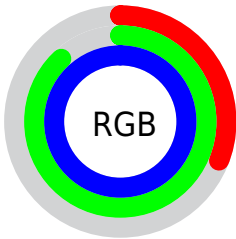
Format	Color
RYB	79, 159, 255
Decimal	5235199
CIELab	83.30, -29.27, -25.87
CIELCh	83, 39.065, 221.477
Yxy	62.7327, 0.2241, 0.2916
Android (android.graphics.Color)	4283425279 (0xFF4FE1FF)
YUV	184.7660, 34.6254, -92.7568
Hunter-Lab	79.2040, -29.9545, -22.5502

Details

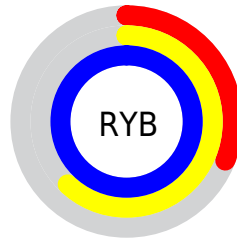
The Yxy color **62.7327, 0.2241, 0.2916** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.8018, 0.5224, 0.3559**, and the grayscale version is **48.2481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.5164, 0.2173, 0.2854**, and if you desaturate by 10%, it is **66.4307, 0.2329, 0.2978**.

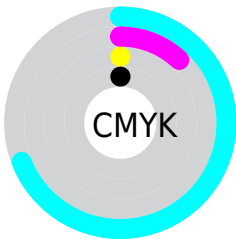
Distribution



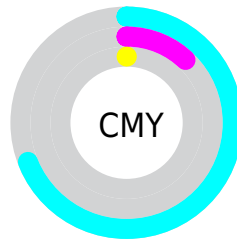
- Red (31%)
- Green (88%)
- Blue (100%)



- Red (31%)
- Yellow (62%)
- Blue (100%)



- Cyan (69%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (69%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.7327, 0.2241, 0.2916 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 62.7327, 0.2241, 0.2916 by changing the saturation by 10% instead.


 62.7327, 0.2241,
0.2916

 62.7327, 0.2241,
0.2916


434.5987, 0.2645,
0.3105


 45.6250, 0.2151,
0.2870


 108.7838, 0.2379,
0.2984


 31.9500, 0.2042,
0.2811


 138.4960, 0.2434,
0.3010

 21.3233, 0.1907,
0.2734


 173.1784, 0.2481,
0.3032

 13.3605, 0.1736,
0.2630

 213.2156, 0.2522,
0.3051

 7.6773, 0.1514,
0.2484

258.9918, 0.2558,
0.3067

 3.8892, 0.1220,
0.2267

310.8914, 0.2590,

 1.6117, 0.0819,

0.3081

0.1927

369.2990, 0.2619,
0.3094

■ 0.3655, 0.0000,
0.1148

■ 0.0000, 0.0000,
0.0000

■ 62.7327, 0.2241,
0.2916

■ 62.7327, 0.2241,
0.2916

■ 59.5164, 0.2173,
0.2854

■ 66.4307, 0.2329,
0.2978

■ 56.7269, 0.2124,
0.2792

■ 70.6502, 0.2435,
0.3038

■ 54.2903, 0.2093,
0.2731

■ 75.4303, 0.2557,
0.3097

■ 54.0461, 0.2090,
0.2725

■ 80.8053, 0.2692,
0.3152

■ 86.8062, 0.2837,
0.3203

■ 93.4620, 0.2988,
0.3251

100.0000, 0.3127,
0.3290

Harmonies

Analogous

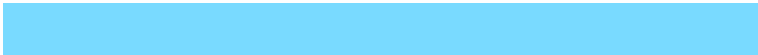
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7327, 0.2423, 0.3377



62.7327, 0.2241, 0.2916



62.7327, 0.2272, 0.2611

Triad

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



62.7327, 0.2241, 0.2916



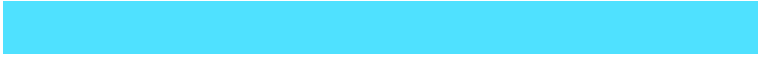
62.7327, 0.3422, 0.2807



62.7327, 0.3734, 0.4151

Complementary

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



62.7327, 0.2241, 0.2916



32.8018, 0.5224, 0.3559

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.



62.7327, 0.4046, 0.3907



62.7327, 0.2241, 0.2916



62.7327, 0.3869, 0.3148

Square

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



62.7327, 0.2241, 0.2916



62.7327, 0.2920, 0.2576



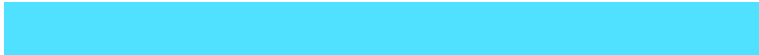
62.7327, 0.4103, 0.3540



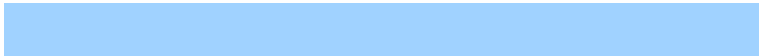
62.7327, 0.3273, 0.4152

Rectangle

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



62.7327, 0.2241, 0.2916



62.7327, 0.2409, 0.2516



62.7327, 0.4103, 0.3540



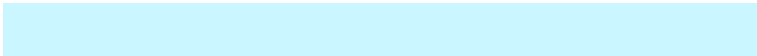
62.7327, 0.3861, 0.4091

Sweetspot

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



62.7339, 0.2241, 0.2916



85.5265, 0.2806, 0.3193



74.2821, 0.2929, 0.5214



17.9456, 0.2766, 0.3179



0.0000, 0.0000, 0.0000



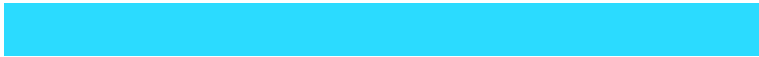
21.4041, 0.3127, 0.3290

Same Dimension

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



62.7339, 0.2241, 0.2916



58.3397, 0.2151, 0.2829



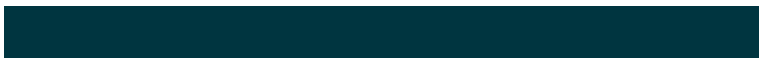
27.0023, 0.1951, 0.1736



19.9227, 0.2980, 0.3248



28.4343, 0.2093, 0.2735



2.9016, 0.2113, 0.2805

Inverse Universe

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



32.3115, 0.3506, 0.1966



28.1213, 0.3600, 0.1844



61.4822, 0.4464, 0.4393



18.2440, 0.3164, 0.3095



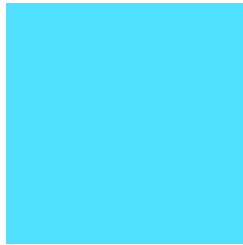
13.5984, 0.3695, 0.1809



1.3375, 0.3630, 0.1773

Previews

White Background



This preview shows how the Yxy color 62.7327, 0.2241, 0.2916 looks on a white background.

Color Contrast Check

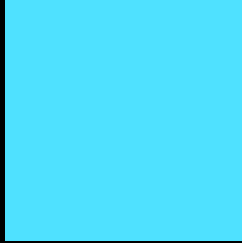
Large Text (above 18pt) WCAG AA × Fail

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 62.7327, 0.2241, 0.2916 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 62.7327, 0.2241, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 62.7327, 0.2241, 0.2916.

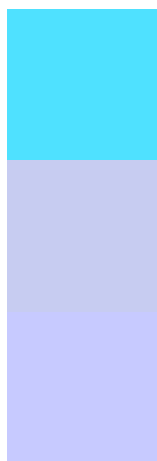


This preview shows how white text looks on a background with the Yxy color 62.7327, 0.2241, 0.2916.

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

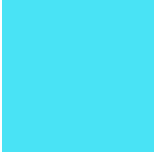
62.7327, 0.2241, 0.2916

Protanopia

61.6787, 0.2843, 0.2874

Deuteranopia

61.6032, 0.2757, 0.2708



Tritanopia

62.9472, 0.2270, 0.3060

Trichromacy



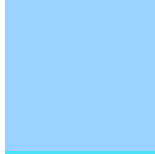
Original Color

62.7327, 0.2241, 0.2916



Protanomaly

60.7094, 0.2551, 0.2884



Deuteranomaly

60.2817, 0.2502, 0.2762



Tritanomaly

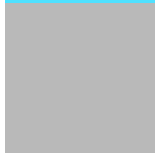
62.7281, 0.2256, 0.2999

Monochromacy



Original Color

62.7327, 0.2241, 0.2916



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.1647, 0.2683, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.7327, 0.2241, 0.2916 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(79, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 225, 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(79, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.7327, 0.2241, 0.2916 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(79, 225, 255) }
```

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

```
.border{ border-color:rgb(79, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(79, 225, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(79, 225, 255); box-shadow:4px 4px 4px 4px rgb(79, 225, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.7327, 0.2241, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 225, 255) }
```

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

```
.background{ background-color: rgb(79, 225,  
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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