

Converting Colors

$Yxy(62.9903, 0.2231, 0.2926)$

Have a look what the booklet for
Yxy(62.9903, 0.2231, 0.2926)
contains.

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Color

Yxy(63.0686, 0.2232, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	4AE2FF
RGB	74, 226, 255
RGB Percent	29%, 89%, 100%
CMY	0.7094, 0.1137, 0.0000
CMYK	0.71, 0.11, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 71%, 100%
XYZ	48.0769, 63.0686, 104.2527
YIQ	183.8580, -99.9010, -23.2050

Conversions

Conversions Part 2

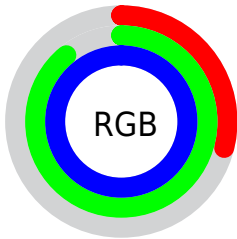
Format	Color
RYB	74, 157, 255
Decimal	4907775
CIELab	83.48, -30.40, -25.61
CIELCh	83, 39.750, 220.109
Yxy	63.0686, 0.2232, 0.2928
Android (android.graphics.Color)	4283097855 (0xFF4AE2FF)
YUV	183.8580, 35.0730, -96.3455
Hunter-Lab	79.4157, -30.9168, -22.2417

Details

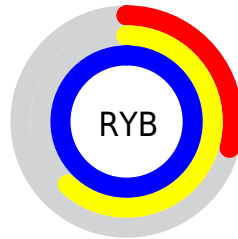
The Yxy color **63.0686, 0.2232, 0.2928** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.4793, 0.5325, 0.3541**, and the grayscale version is **47.7118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **32.8267, 0.2120, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **60.0562, 0.2169, 0.2870**, and if you desaturate by 10%, it is **66.5476, 0.2315, 0.2986**.

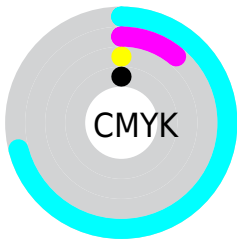
Distribution



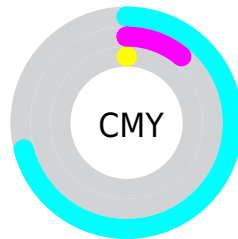
- Red (29%)
- Green (89%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0686, 0.2232, 0.2928 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 63.0686, 0.2232, 0.2928 by changing the saturation by 10% instead.


 63.0686, 0.2232,
0.2928

 63.0686, 0.2232,
0.2928


435.8184, 0.2639,
0.3112


 45.8967, 0.2142,
0.2883


 109.2685, 0.2371,
0.2995

 32.1643, 0.2032,
0.2825


 139.0652, 0.2426,
0.3020

 21.4870, 0.1896,
0.2750


 173.8391, 0.2474,
0.3041

 13.4805, 0.1724,
0.2648


 213.9744, 0.2515,
0.3059

 7.7602, 0.1501,
0.2505

259.8556, 0.2552,
0.3075

 3.9419, 0.1207,
0.2291

311.8671, 0.2584,

 1.6411, 0.0805,

0.3089

370.3932, 0.2613,
0.3101

0.1955

0.3851, 0.0000,
0.1200

0.0000, 0.0000,
0.0000

63.0686, 0.2232,
0.2928

63.0686, 0.2232,
0.2928

60.0562, 0.2169,
0.2870

66.5476, 0.2315,
0.2986

57.4518, 0.2126,
0.2812

70.5324, 0.2416,
0.3043

55.3699, 0.2100,
0.2761

75.0637, 0.2534,
0.3098

80.1761, 0.2665,
0.3150

85.9014, 0.2808,
0.3199

92.2688, 0.2958,
0.3245

99.3054, 0.3113,
0.3286

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.



63.0686, 0.2426, 0.3401



63.0686, 0.2232, 0.2928



63.0686, 0.2254, 0.2611

Triad

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



63.0686, 0.2232, 0.2928



63.0686, 0.3403, 0.2787



63.0686, 0.3762, 0.4157

Complementary

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



63.0686, 0.2232, 0.2928



31.4793, 0.5325, 0.3541

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.



63.0686, 0.4069, 0.3900



63.0686, 0.2232, 0.2928



63.0686, 0.3864, 0.3128

Square

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



63.0686, 0.2232, 0.2928



63.0686, 0.2895, 0.2559



63.0686, 0.4114, 0.3524



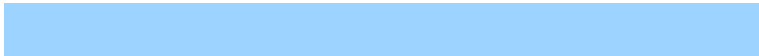
63.0686, 0.3297, 0.4173

Rectangle

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



63.0686, 0.2232, 0.2928



63.0686, 0.2386, 0.2509



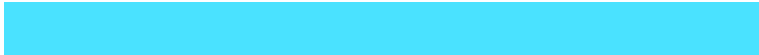
63.0686, 0.4114, 0.3524



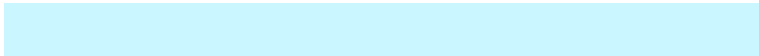
63.0686, 0.3887, 0.4092

Sweetspot

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



63.0704, 0.2232, 0.2928



85.8634, 0.2807, 0.3199



73.9246, 0.2939, 0.5304



18.0267, 0.2767, 0.3186



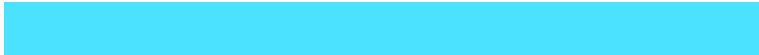
0.0000, 0.0000, 0.0000



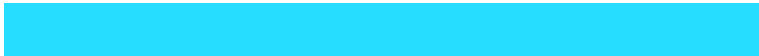
21.4041, 0.3127, 0.3290

Same Dimension

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



63.0704, 0.2232, 0.2928



58.9521, 0.2149, 0.2846



26.6917, 0.1931, 0.1725



19.9561, 0.2980, 0.3251



29.1172, 0.2103, 0.2770



2.9619, 0.2121, 0.2836

Inverse Universe

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



31.6631, 0.3499, 0.1929



27.8426, 0.3585, 0.1819



59.3186, 0.4528, 0.4384



18.2474, 0.3163, 0.3093



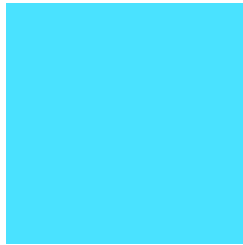
13.6674, 0.3662, 0.1791



1.3436, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 63.0686, 0.2232, 0.2928 looks on a white background.

Color Contrast Check

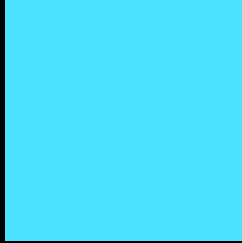
Large Text (above 18pt) WCAG AA × Fail

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 63.0686, 0.2232, 0.2928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

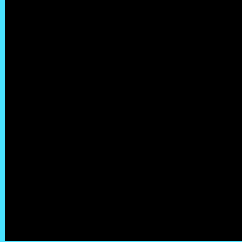
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0686, 0.2232, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 63.0686, 0.2232, 0.2928.

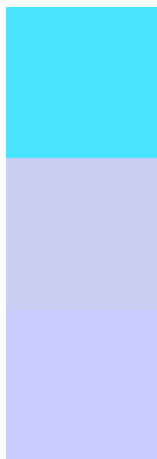


This preview shows how white text looks on a background with the Yxy color 63.0686, 0.2232, 0.2928.

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

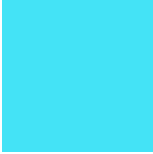
63.0686, 0.2232, 0.2928

Protanopia

62.2929, 0.2851, 0.2886

Deuteranopia

62.0740, 0.2758, 0.2719



Tritanopia

62.8209, 0.2255, 0.3047

Trichromacy



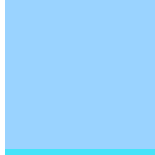
Original Color

63.0686, 0.2232, 0.2928



Protanomaly

61.1123, 0.2547, 0.2896



Deuteranomaly

60.6786, 0.2499, 0.2773



Tritanomaly

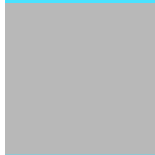
63.0798, 0.2248, 0.3011

Monochromacy



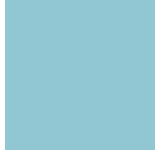
Original Color

63.0686, 0.2232, 0.2928



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.4293, 0.2663, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0686, 0.2232, 0.2928 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(74, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 226, 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(74, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.0686, 0.2232, 0.2928 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(74, 226, 255) }
```

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

```
.border{ border-color:rgb(74, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0686, 0.2232, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 226, 255) }
```

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

```
.background{ background-color: rgb(74, 226,  
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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