

Converting Colors

$Yxy(61.5030, 0.2201, 0.2888)$

Have a look what the booklet for
Yxy(61.5030, 0.2201, 0.2888)
contains.

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Color

Yxy(61.6551, 0.2206, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	41E0FF
RGB	65, 224, 255
RGB Percent	25%, 88%, 100%
CMY	0.7440, 0.1216, 0.0000
CMYK	0.74, 0.12, 0.00, 0.00
HSL	190°, 100%, 63%
HSV	190°, 74%, 100%
XYZ	46.9004, 61.6551, 104.0483
YIQ	179.9930, -104.7150, -24.0670

Conversions

Conversions Part 2

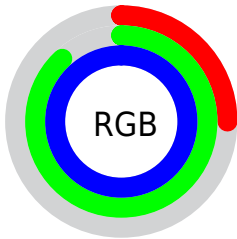
Format	Color
RYB	65, 152, 255
Decimal	4317439
CIELab	82.73, -30.45, -26.77
CIELCh	83, 40.546, 221.321
Yxy	61.6551, 0.2206, 0.2900
Android (android.graphics.Color)	4282507519 (0xFF41E0FF)
YUV	179.9930, 36.9785, -100.8489
Hunter-Lab	78.5208, -30.7934, -23.6010

Details

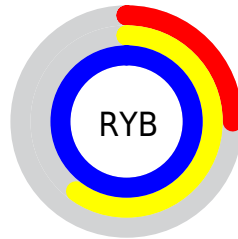
The Yxy color **61.6551, 0.2206, 0.2900** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.0642, 0.5468, 0.3542**, and the grayscale version is **45.5193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.7565, 0.2150, 0.2841**, and if you desaturate by 10%, it is **65.0040, 0.2282, 0.2960**.

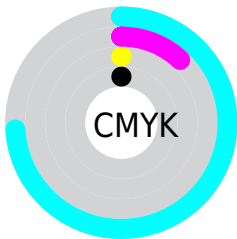
Distribution



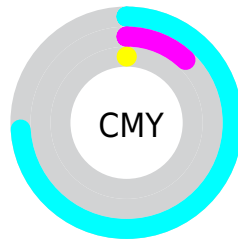
- Red (25%)
- Green (88%)
- Blue (100%)



- Red (25%)
- Yellow (60%)
- Blue (100%)



- Cyan (74%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.6551, 0.2206, 0.2900 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 61.6551, 0.2206, 0.2900 by changing the saturation by 10% instead.


 61.6551, 0.2206,
0.2900


 61.6551, 0.2206,
0.2900

430.6719, 0.2626,
0.3098

 44.7541, 0.2113,
0.2851

 107.2269, 0.2350,
0.2972

 31.2638, 0.1999,
0.2789


 136.6665, 0.2406,
0.2999

 20.7998, 0.1859,
0.2708

 171.0543, 0.2455,
0.3022

 12.9777, 0.1682,
0.2599

 210.7749, 0.2498,
0.3041

 7.4132, 0.1452,
0.2445

256.2125, 0.2536,
0.3058

 3.7218, 0.1151,
0.2216

307.7516, 0.2569,

 1.5192, 0.0730,

0.3073

0.1861

365.7766, 0.2599,
0.3086

0.3022, 0.0000,
0.0973

0.0000, 0.0000,
0.0000

61.6551, 0.2206,
0.2900

61.6551, 0.2206,
0.2900

58.7565, 0.2150,
0.2841

65.0040, 0.2282,
0.2960

56.2468, 0.2112,
0.2782

68.8467, 0.2378,
0.3018

54.9662, 0.2097,
0.2750

73.2250, 0.2490,
0.3075

78.1748, 0.2618,
0.3129

■ 83.7290, 0.2757,
0.3180

■ 89.9176, 0.2905,
0.3228

■ 96.7683, 0.3059,
0.3272

■ 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.



61.6551, 0.2395, 0.3382



61.6551, 0.2206, 0.2900



61.6551, 0.2237, 0.2583

Triad

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



61.6551, 0.2206, 0.2900



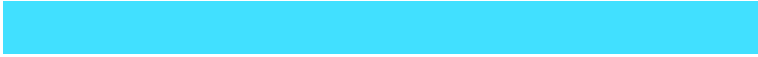
61.6551, 0.3432, 0.2786



61.6551, 0.3760, 0.4187

Complementary

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



61.6551, 0.2206, 0.2900



30.0642, 0.5468, 0.3542

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.



61.6551, 0.4086, 0.3928



61.6551, 0.2206, 0.2900



61.6551, 0.3900, 0.3139

Square

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



61.6551, 0.2206, 0.2900



61.6551, 0.2908, 0.2548



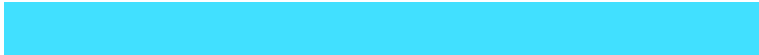
61.6551, 0.4145, 0.3545



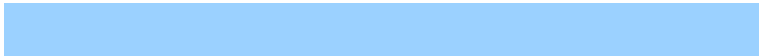
61.6551, 0.3280, 0.4193

Rectangle

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



61.6551, 0.2206, 0.2900



61.6551, 0.2378, 0.2485



61.6551, 0.4145, 0.3545



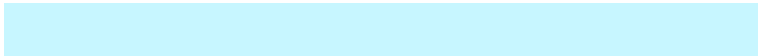
61.6551, 0.3893, 0.4122

Sweetspot

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



61.6563, 0.2206, 0.2900



85.1559, 0.2792, 0.3192



73.4567, 0.2938, 0.5400



17.8825, 0.2753, 0.3179



0.0000, 0.0000, 0.0000



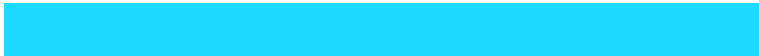
21.4041, 0.3127, 0.3290

Same Dimension

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



61.6563, 0.2206, 0.2900



57.5579, 0.2130, 0.2814



24.7693, 0.1883, 0.1639



19.9460, 0.2980, 0.3250



28.9090, 0.2100, 0.2759



2.9436, 0.2118, 0.2826

Inverse Universe

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



30.4535, 0.3527, 0.1898



27.1495, 0.3618, 0.1809



57.8670, 0.4597, 0.4410



18.2464, 0.3163, 0.3093



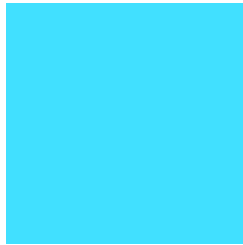
13.6463, 0.3672, 0.1797



1.3417, 0.3610, 0.1763

Previews

White Background



This preview shows how the Yxy color 61.6551, 0.2206, 0.2900 looks on a white background.

Color Contrast Check

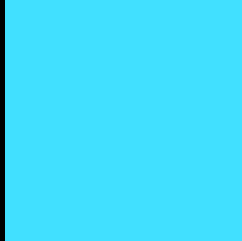
Large Text (above 18pt) WCAG AA × Fail

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 61.6551, 0.2206, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

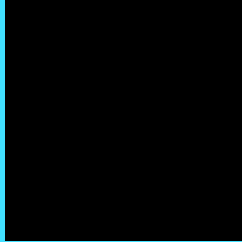
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.6551, 0.2206, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 61.6551, 0.2206, 0.2900.

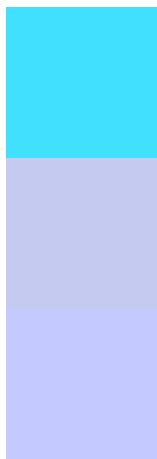


This preview shows how white text looks on a background with the Yxy color 61.6551, 0.2206, 0.2900.

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

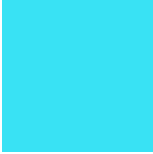
61.6551, 0.2206, 0.2900

Protanopia

60.4026, 0.2835, 0.2860

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

61.7942, 0.2237, 0.3057

Trichromacy



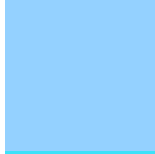
Original Color

61.6551, 0.2206, 0.2900



Protanomaly

59.0753, 0.2520, 0.2867



Deuteranomaly

59.1168, 0.2463, 0.2744



Tritanomaly

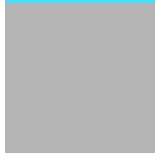
61.5884, 0.2224, 0.2995

Monochromacy



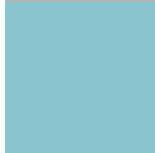
Original Color

61.6551, 0.2206, 0.2900



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

49.3881, 0.2638, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6551, 0.2206, 0.2900 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(65, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 224, 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(65, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.6551, 0.2206, 0.2900 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(65, 224, 255) }
```

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

```
.border{ border-color:rgb(65, 224, 255) }
```

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

Here you see how a box with a 4 pixel rgb(65, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6551, 0.2206, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 224, 255) }
```

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

```
.background{ background-color: rgb(65, 224,  
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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