

Converting Colors

$Y_{xy}(61.6220, 0.2228, 0.2892)$

Have a look what the booklet for
Yxy(61.6220, 0.2228, 0.2892)
contains.

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Color

Yxy(61.5319, 0.2227, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	4CDFFF
RGB	76, 223, 255
RGB Percent	30%, 87%, 100%
CMY	0.7019, 0.1255, 0.0001
CMYK	0.70, 0.13, 0.00, 0.00
HSL	191°, 100%, 65%
HSV	191°, 70%, 100%
XYZ	47.4158, 61.5319, 103.9655
YIQ	182.6950, -97.8840, -21.2120

Conversions

Conversions Part 2

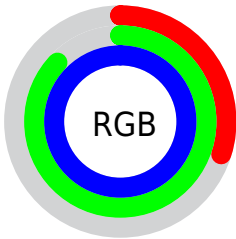
Format	Color
RYB	76, 157, 255
Decimal	5038079
CIELab	82.66, -28.73, -26.83
CIELCh	83, 39.308, 223.049
Yxy	61.5319, 0.2227, 0.2890
Android (android.graphics.Color)	4283228159 (0xFF4CDFFF)
YUV	182.6950, 35.6464, -93.5715
Hunter-Lab	78.4423, -29.3766, -23.6719

Details

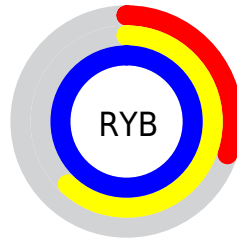
The Yxy color **61.5319, 0.2227, 0.2890** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.5019, 0.5264, 0.3572**, and the grayscale version is **47.0235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **58.2865, 0.2160, 0.2825**, and if you desaturate by 10%, it is **65.2608, 0.2314, 0.2955**.

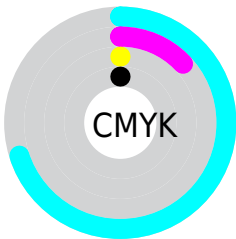
Distribution



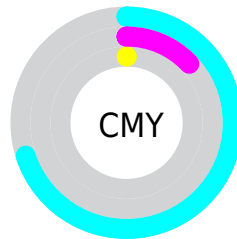
- Red (30%)
- Green (87%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5319, 0.2227, 0.2890 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 61.5319, 0.2227, 0.2890 by changing the saturation by 10% instead.

 61.5319, 0.2227,
0.2890

 61.5319, 0.2227,
0.2890


430.2216, 0.2638,
0.3092


 44.6546, 0.2136,
0.2840


 107.0487, 0.2368,
0.2963

 31.1854, 0.2024,
0.2778


 136.4570, 0.2423,
0.2990

 20.7401, 0.1886,
0.2696


 170.8110, 0.2471,
0.3014

 12.9342, 0.1712,
0.2586

 210.4952, 0.2513,
0.3034

 7.3832, 0.1485,
0.2431

255.8940, 0.2550,
0.3051

 3.7029, 0.1186,
0.2201

307.3917, 0.2583,

 1.5088, 0.0772,

0.3066

0.1846

365.3728, 0.2612,
0.3080

0.2949, 0.0000,
0.0954

0.0000, 0.0000,
0.0000

61.5319, 0.2227,
0.2890

61.5319, 0.2227,
0.2890

58.2865, 0.2160,
0.2825

65.2608, 0.2314,
0.2955

55.4652, 0.2113,
0.2760

69.5106, 0.2418,
0.3019

53.0274, 0.2082,
0.2697

74.3222, 0.2540,
0.3080

79.7303, 0.2674,
0.3138

■ 85.7663, 0.2818,
0.3193

■ 92.4595, 0.2969,
0.3243

99.8372, 0.3124,
0.3289

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



61.5319, 0.2400, 0.3351



61.5319, 0.2227, 0.2890



61.5319, 0.2270, 0.2592

Triad

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



61.5319, 0.2227, 0.2890



61.5319, 0.3453, 0.2817



61.5319, 0.3719, 0.4169

Complementary

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



61.5319, 0.2227, 0.2890



32.5019, 0.5264, 0.3572

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.



61.5319, 0.4046, 0.3931



61.5319, 0.2227, 0.2890



61.5319, 0.3898, 0.3166

Square

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



61.5319, 0.2227, 0.2890



61.5319, 0.2943, 0.2577



61.5319, 0.4120, 0.3563



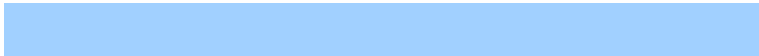
61.5319, 0.3248, 0.4155

Rectangle

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



61.5319, 0.2227, 0.2890



61.5319, 0.2415, 0.2503



61.5319, 0.4120, 0.3563



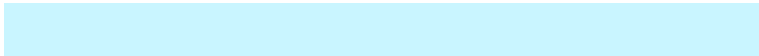
61.5319, 0.3851, 0.4112

Sweetspot

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



61.5341, 0.2227, 0.2890



85.2669, 0.2806, 0.3189



74.0806, 0.2929, 0.5249



17.8831, 0.2766, 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.



61.5341, 0.2227, 0.2890



57.1743, 0.2140, 0.2800



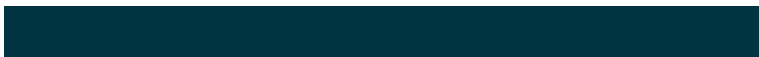
26.2726, 0.1932, 0.1704



19.8968, 0.2980, 0.3246



27.9140, 0.2085, 0.2707



2.8556, 0.2106, 0.2781

Inverse Universe

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



31.7557, 0.3531, 0.1962



27.8278, 0.3627, 0.1851



60.9543, 0.4488, 0.4404



18.2414, 0.3165, 0.3097



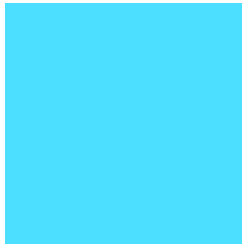
13.5459, 0.3721, 0.1824



1.3328, 0.3652, 0.1786

Previews

White Background



This preview shows how the Yxy color 61.5319, 0.2227, 0.2890 looks on a white background.

Color Contrast Check

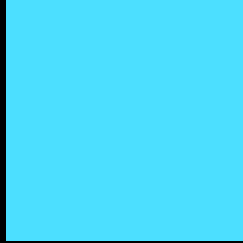
Large Text (above 18pt) WCAG AA × Fail

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 61.5319, 0.2227, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

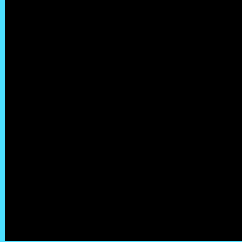
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.5319, 0.2227, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 61.5319, 0.2227, 0.2890.

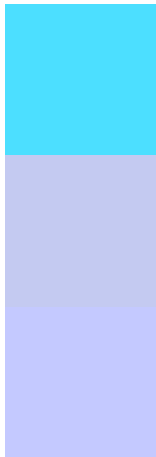


This preview shows how white text looks on a background with the Yxy color 61.5319, 0.2227, 0.2890.

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

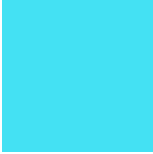
61.5319, 0.2227, 0.2890

Protanopia

60.3277, 0.2822, 0.2848

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

61.5504, 0.2259, 0.3057

Trichromacy



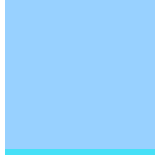
Original Color

61.5319, 0.2227, 0.2890



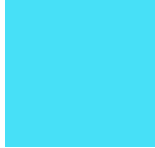
Protanomaly

59.4224, 0.2531, 0.2858



Deuteranomaly

59.4963, 0.2484, 0.2747



Tritanomaly

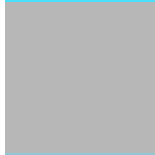
61.3663, 0.2248, 0.2996

Monochromacy



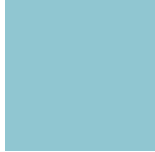
Original Color

61.5319, 0.2227, 0.2890



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.9209, 0.2667, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5319, 0.2227, 0.2890 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(76, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.5319, 0.2227, 0.2890 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(76, 223, 255) }
```

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

```
.border{ border-color:rgb(76, 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(76, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5319, 0.2227, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 223, 255) }
```

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

```
.background{ background-color: rgb(76, 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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