

Converting Colors

$Yxy(61.7602, 0.2269, 0.2881)$

Have a look what the booklet for
Yxy(61.7602, 0.2269, 0.2881)
contains.

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Color

Yxy(61.7897, 0.2270, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	5DDEFF
RGB	93, 222, 255
RGB Percent	36%, 87%, 100%
CMY	0.6355, 0.1294, 0.0000
CMYK	0.64, 0.13, 0.00, 0.00
HSL	192°, 100%, 68%
HSV	192°, 64%, 100%
XYZ	48.6854, 61.7897, 103.9980
YIQ	187.1910, -87.4770, -17.0850

Conversions

Conversions Part 2

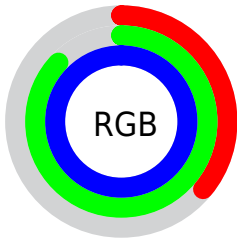
Format	Color
R _Y B	93, 165, 255
Decimal	6151935
CIE Lab	82.80, -25.81, -26.62
CIE LCh	83, 37.075, 225.881
Yxy	61.7897, 0.2270, 0.2881
Android (android.graphics.Color)	4284342015 (0xFF5DDEFF)
YUV	187.1910, 33.4298, -82.6055
Hunter-Lab	78.6064, -27.0061, -23.4175

Details

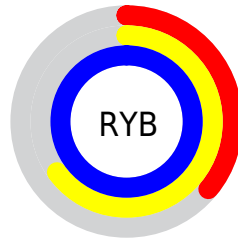
The Yxy color **61.7897, 0.2270, 0.2881** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.9565, 0.4946, 0.3608**, and the grayscale version is **49.6442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **57.9585, 0.2187, 0.2806**, and if you desaturate by 10%, it is **66.1489, 0.2373, 0.2955**.

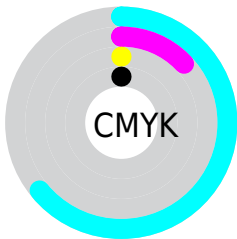
Distribution



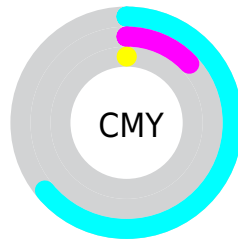
- Red (36%)
- Green (87%)
- Blue (100%)



- Red (36%)
- Yellow (65%)
- Blue (100%)



- Cyan (64%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7897, 0.2270, 0.2881 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 61.7897, 0.2270, 0.2881 by changing the saturation by 10% instead.


 61.7897, 0.2270,
0.2881


 61.7897, 0.2270,
0.2881


431.1636, 0.2662,
0.3085


 44.8628, 0.2183,
0.2831

 107.4215, 0.2405,
0.2954


 31.3494, 0.2076,
0.2768


 136.8952, 0.2457,
0.2982

 20.8650, 0.1943,
0.2687


 171.3200, 0.2503,
0.3006

 13.0254, 0.1775,
0.2577

 211.0802, 0.2543,
0.3026

 7.4460, 0.1556,
0.2424

256.5603, 0.2578,
0.3044

 3.7426, 0.1264,
0.2198

308.1446, 0.2609,

 1.5306, 0.0865,

0.3059

0.1847

366.2176, 0.2637,
0.3073

■ 0.3101, 0.0000,
0.0997

■ 0.0000, 0.0000,
0.0000

■ 61.7897, 0.2270,
0.2881

■ 61.7897, 0.2270,
0.2881

■ 57.9585, 0.2187,
0.2806

■ 66.1489, 0.2373,
0.2955

■ 54.6088, 0.2123,
0.2731

■ 71.0770, 0.2492,
0.3027

■ 51.6836, 0.2079,
0.2656

■ 76.6100, 0.2624,
0.3095

■ 49.9697, 0.2058,
0.2608

■ 82.7805, 0.2767,
0.3159

■ 89.6188, 0.2918,
0.3218

■ 97.1531, 0.3072,
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.



61.7897, 0.2416, 0.3304



61.7897, 0.2270, 0.2881



61.7897, 0.2330, 0.2614

Triad

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



61.7897, 0.2270, 0.2881



61.7897, 0.3479, 0.2870



61.7897, 0.3650, 0.4128

Complementary

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



61.7897, 0.2270, 0.2881



36.9565, 0.4946, 0.3608

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.



61.7897, 0.3975, 0.3926



61.7897, 0.2270, 0.2881



61.7897, 0.3883, 0.3210

Square

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



61.7897, 0.2270, 0.2881



61.7897, 0.2998, 0.2630



61.7897, 0.4067, 0.3587



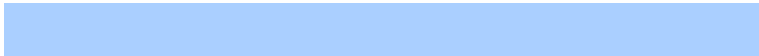
61.7897, 0.3199, 0.4084

Rectangle

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



61.7897, 0.2270, 0.2881



61.7897, 0.2480, 0.2540



61.7897, 0.4067, 0.3587



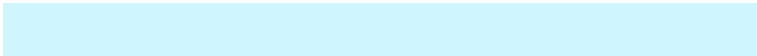
61.7897, 0.3778, 0.4083

Sweetspot

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



61.7896, 0.2270, 0.2881



85.8073, 0.2835, 0.3186



75.3343, 0.2912, 0.4987



17.9555, 0.2792, 0.3169



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.



61.7896, 0.2270, 0.2881



57.0953, 0.2169, 0.2788



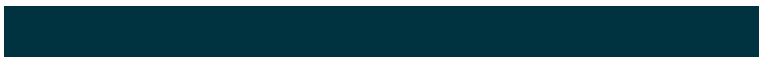
28.7608, 0.2018, 0.1804



19.8162, 0.2980, 0.3240



26.3299, 0.2061, 0.2621



2.7149, 0.2085, 0.2706

Inverse Universe

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



34.3537, 0.3528, 0.2078



29.5530, 0.3629, 0.1941



66.3773, 0.4316, 0.4382



18.2333, 0.3169, 0.3103



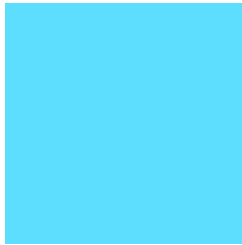
13.3860, 0.3804, 0.1869



1.3186, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 61.7897, 0.2270, 0.2881 looks on a white background.

Color Contrast Check

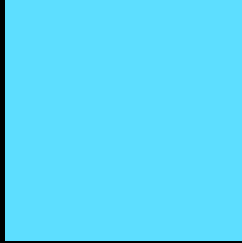
Large Text (above 18pt) WCAG AA × Fail

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 61.7897, 0.2270, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

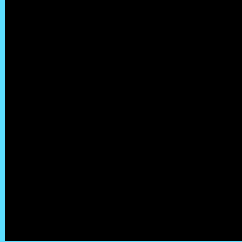
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7897, 0.2270, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 61.7897, 0.2270, 0.2881.



This preview shows how white text looks on a background with the Yxy color 61.7897, 0.2270, 0.2881.

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

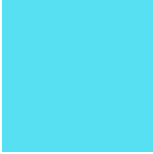
61.7897, 0.2270, 0.2881

Protanopia

60.9930, 0.2823, 0.2850

Deuteranopia

60.8636, 0.2743, 0.2694



Tritanopia

61.7484, 0.2310, 0.3059

Trichromacy



Original Color

61.7897, 0.2270, 0.2881



Protanomaly

60.1795, 0.2565, 0.2851



Deuteranomaly

60.1919, 0.2522, 0.2753



Tritanomaly

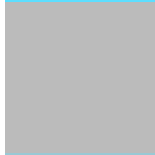
61.6146, 0.2293, 0.2987

Monochromacy



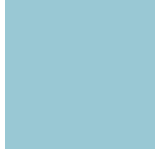
Original Color

61.7897, 0.2270, 0.2881



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.8343, 0.2709, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7897, 0.2270, 0.2881 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(93, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 222, 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(93, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.7897, 0.2270, 0.2881 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(93, 222, 255) }
```

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

```
.border{ border-color:rgb(93, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7897, 0.2270, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 222, 255) }
```

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

```
.background{ background-color: rgb(93, 222,  
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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