

Converting Colors

$Y_{xy}(60.8540, 0.2239, 0.2867)$

Have a look what the booklet for
Yxy(60.8540, 0.2239, 0.2867)
contains.

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Color

Yxy(60.7719, 0.2238, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	53DDFF
RGB	83, 221, 255
RGB Percent	33%, 87%, 100%
CMY	0.6749, 0.1333, 0.0000
CMYK	0.67, 0.13, 0.00, 0.00
HSL	192°, 100%, 66%
HSV	192°, 67%, 100%
XYZ	47.4721, 60.7719, 103.8743
YIQ	183.6140, -93.1620, -18.6820

Conversions

Conversions Part 2

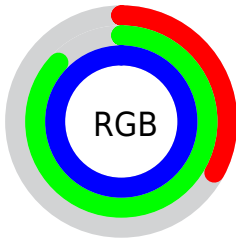
Format	Color
R _Y B	83, 160, 255
Decimal	5496319
CIE Lab	82.26, -26.81, -27.48
CIE LCh	82, 38.390, 225.705
Yxy	60.7719, 0.2238, 0.2865
Android (android.graphics.Color)	4283686399 (0xFF53DDFF)
YUV	183.6140, 35.1933, -88.2385
Hunter-Lab	77.9563, -27.7247, -24.4326

Details

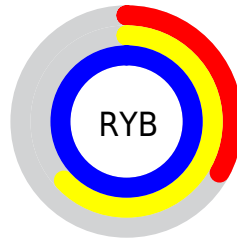
The Yxy color **60.7719, 0.2238, 0.2865** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.5794, 0.5121, 0.3603**, and the grayscale version is **47.5339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **31.3497, 0.2101, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **57.1984, 0.2163, 0.2793**, and if you desaturate by 10%, it is **64.8496, 0.2333, 0.2938**.

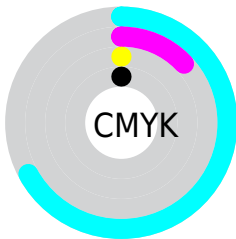
Distribution



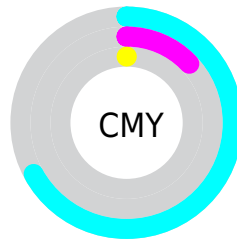
- Red (33%)
- Green (87%)
- Blue (100%)



- Red (33%)
- Yellow (63%)
- Blue (100%)



- Cyan (67%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7719, 0.2238, 0.2865 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 60.7719, 0.2238, 0.2865 by changing the saturation by 10% instead.


 60.7719, 0.2238,
0.2865


 60.7719, 0.2238,
0.2865

427.4372, 0.2645,
0.3078


 44.0411, 0.2147,
0.2813

 105.9486, 0.2378,
0.2942

 30.7028, 0.2037,
0.2747


 135.1633, 0.2432,
0.2971

 20.3727, 0.1899,
0.2662


 169.3081, 0.2480,
0.2996

 12.6662, 0.1725,
0.2547

 208.7673, 0.2521,
0.3017

 7.1991, 0.1499,
0.2386

253.9255, 0.2558,
0.3035

 3.5869, 0.1199,
0.2149

305.1669, 0.2590,

 1.4453, 0.0784,

0.3051

0.1784

362.8760, 0.2619,
0.3065

■ 0.2497, 0.0000,
0.0822

■ 0.0000, 0.0000,
0.0000

■ 60.7719, 0.2238,
0.2865

■ 60.7719, 0.2238,
0.2865

■ 57.1984, 0.2163,
0.2793

■ 64.8496, 0.2333,
0.2938

■ 54.0813, 0.2108,
0.2720

■ 69.4767, 0.2444,
0.3008

■ 51.3547, 0.2072,
0.2648

■ 74.6898, 0.2571,
0.3075

■ 50.7081, 0.2064,
0.2630

■ 80.5229, 0.2710,
0.3139

■ 87.0070, 0.2858,
0.3198

■ 94.1711, 0.3011,
0.3252

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.



60.7719, 0.2390, 0.3306



60.7719, 0.2238, 0.2865



60.7719, 0.2299, 0.2588

Triad

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



60.7719, 0.2238, 0.2865



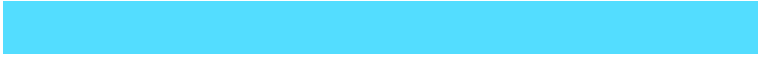
60.7719, 0.3490, 0.2853



60.7719, 0.3672, 0.4162

Complementary

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



60.7719, 0.2238, 0.2865



34.5794, 0.5121, 0.3603

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.



60.7719, 0.4010, 0.3948



60.7719, 0.2238, 0.2865



60.7719, 0.3913, 0.3203

Square

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



60.7719, 0.2238, 0.2865



60.7719, 0.2989, 0.2604



60.7719, 0.4106, 0.3593



60.7719, 0.3203, 0.4121

Rectangle

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



60.7719, 0.2238, 0.2865



60.7719, 0.2453, 0.2512



60.7719, 0.4106, 0.3593



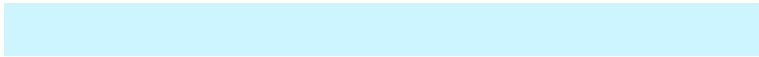
60.7719, 0.3805, 0.4114

Sweetspot

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



60.7711, 0.2238, 0.2866



85.3180, 0.2820, 0.3184



74.5794, 0.2919, 0.5137



17.8672, 0.2779, 0.3167



0.0000, 0.0000, 0.0000



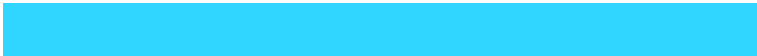
21.4041, 0.3127, 0.3290

Same Dimension

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



60.7711, 0.2238, 0.2866



56.0559, 0.2142, 0.2767



27.0582, 0.1964, 0.1736



19.8359, 0.2980, 0.3242



26.7112, 0.2067, 0.2642



2.7489, 0.2090, 0.2724

Inverse Universe

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



32.6514, 0.3548, 0.2019



28.2764, 0.3654, 0.1897



63.4236, 0.4413, 0.4403



18.2352, 0.3168, 0.3101



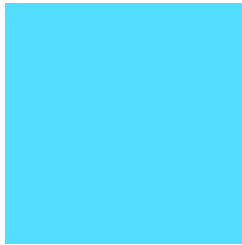
13.4245, 0.3783, 0.1858



1.3220, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 60.7719, 0.2238, 0.2865 looks on a white background.

Color Contrast Check

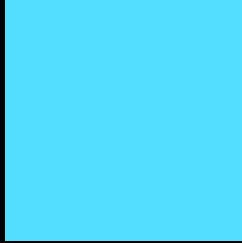
Large Text (above 18pt) WCAG AA × Fail

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 60.7719, 0.2238, 0.2865 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 60.7719, 0.2238, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 60.7719, 0.2238, 0.2865.



This preview shows how white text looks on a background with the Yxy color 60.7719, 0.2238, 0.2865.

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

60.7719, 0.2238, 0.2865

Protanopia

59.7263, 0.2814, 0.2836

Deuteranopia

59.9979, 0.2722, 0.2679



Tritanopia

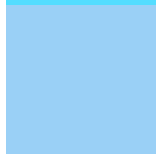
60.6221, 0.2277, 0.3057

Trichromacy



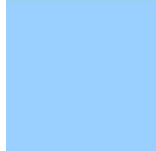
Original Color

60.7719, 0.2238, 0.2865



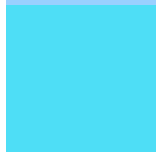
Protanomaly

58.6356, 0.2538, 0.2834



Deuteranomaly

59.2018, 0.2493, 0.2737



Tritanomaly

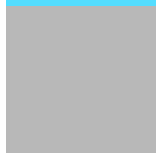
60.5161, 0.2262, 0.2983

Monochromacy



Original Color

60.7719, 0.2238, 0.2865



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.7887, 0.2678, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7719, 0.2238, 0.2865 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(83, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 221, 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(83, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.7719, 0.2238, 0.2865 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(83, 221, 255) }
```

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

```
.border{ border-color:rgb(83, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(83, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7719, 0.2238, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 221, 255) }
```

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

```
.background{ background-color: rgb(83, 221,  
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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