

Converting Colors

$Yxy(61.9326, 0.2219, 0.2903)$

Have a look what the booklet for
Yxy(61.9326, 0.2219, 0.2903)
contains.

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Color

Yxy(61.8709, 0.2218, 0.2902)

Conversions

Conversions Part 1

Format	Color
Hex	47E0FF
RGB	71, 224, 255
RGB Percent	28%, 88%, 100%
CMY	0.7225, 0.1215, 0.0001
CMYK	0.72, 0.12, 0.00, 0.00
HSL	190°, 100%, 64%
HSV	190°, 72%, 100%
XYZ	47.2880, 61.8709, 104.0420
YIQ	181.7870, -101.1390, -22.7950

Conversions

Conversions Part 2

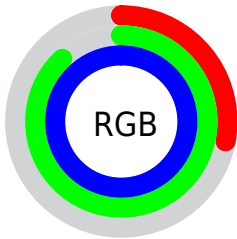
Format	Color
R _Y B	71, 155, 255
Decimal	4710655
CIE Lab	82.84, -29.86, -26.57
CIE LCh	83, 39.970, 221.661
Yxy	61.8709, 0.2218, 0.2902
Android (android.graphics.Color)	4282900735 (0xFF47E0FF)
YUV	181.7870, 36.0940, -97.1602
Hunter-Lab	78.6581, -30.3403, -23.3630

Details

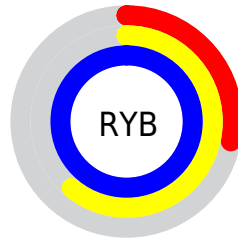
The Yxy color **61.8709, 0.2218, 0.2902** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.1559, 0.5369, 0.3553**, and the grayscale version is **46.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.8317, 0.2157, 0.2841**, and if you desaturate by 10%, it is **65.3762, 0.2299, 0.2963**.

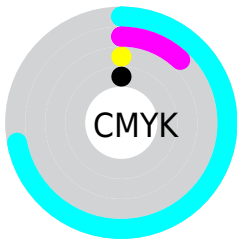
Distribution



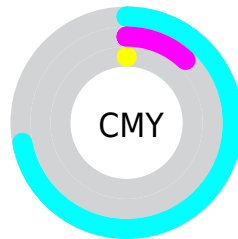
- Red (28%)
- Green (88%)
- Blue (100%)



- Red (28%)
- Yellow (61%)
- Blue (100%)



- Cyan (72%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8709, 0.2218, 0.2902 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 61.8709, 0.2218, 0.2902 by changing the saturation by 10% instead.


 61.8709, 0.2218,
0.2902

 61.8709, 0.2218,
0.2902


431.4600, 0.2633,
0.3098

 44.9284, 0.2126,
0.2854


 107.5389, 0.2360,
0.2973


 31.4010, 0.2014,
0.2792


 137.0332, 0.2416,
0.3000

 20.9044, 0.1875,
0.2712


 171.4803, 0.2464,
0.3023

 13.0541, 0.1700,
0.2604

 211.2644, 0.2506,
0.3042

 7.4658, 0.1473,
0.2451

256.7701, 0.2544,
0.3059

 3.7551, 0.1173,
0.2225

308.3816, 0.2577,

 1.5375, 0.0759,

0.3074

0.1874

366.4835, 0.2606,
0.3087

0.3149, 0.0000,
0.1010

0.0000, 0.0000,
0.0000

61.8709, 0.2218,
0.2902

61.8709, 0.2218,
0.2902

58.8317, 0.2157,
0.2841

65.3762, 0.2299,
0.2963

56.1971, 0.2115,
0.2780

69.3864, 0.2399,
0.3023

54.3719, 0.2093,
0.2734

73.9434, 0.2516,
0.3081

79.0822, 0.2646,
0.3136

84.8352, 0.2788,
0.3188

91.2317, 0.2938,
0.3237

98.2994, 0.3092,
0.3281

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



61.8709, 0.2402, 0.3375



61.8709, 0.2218, 0.2902



61.8709, 0.2251, 0.2592

Triad

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



61.8709, 0.2218, 0.2902



61.8709, 0.3433, 0.2797



61.8709, 0.3747, 0.4175

Complementary

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



61.8709, 0.2218, 0.2902



31.1559, 0.5369, 0.3553

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.



61.8709, 0.4069, 0.3924



61.8709, 0.2218, 0.2902



61.8709, 0.3893, 0.3146

Square

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



61.8709, 0.2218, 0.2902



61.8709, 0.2917, 0.2560



61.8709, 0.4131, 0.3547



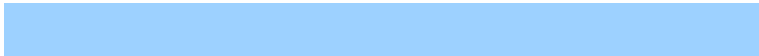
61.8709, 0.3272, 0.4176

Rectangle

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



61.8709, 0.2218, 0.2902



61.8709, 0.2392, 0.2496



61.8709, 0.4131, 0.3547



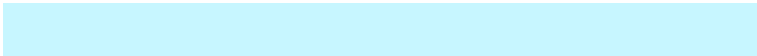
61.8709, 0.3878, 0.4113

Sweetspot

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



61.8732, 0.2218, 0.2902



85.0000, 0.2792, 0.3190



73.7882, 0.2928, 0.5308



17.8452, 0.2752, 0.3176



0.0000, 0.0000, 0.0000



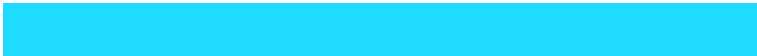
21.4041, 0.3127, 0.3290

Same Dimension

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



61.8732, 0.2218, 0.2902



57.5421, 0.2135, 0.2812



25.0970, 0.1903, 0.1652



19.9312, 0.2980, 0.3249



28.6066, 0.2096, 0.2744



2.9169, 0.2115, 0.2813

Inverse Universe

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



31.1156, 0.3523, 0.1926



27.4032, 0.3618, 0.1822



60.1031, 0.4528, 0.4421



18.2449, 0.3164, 0.3094



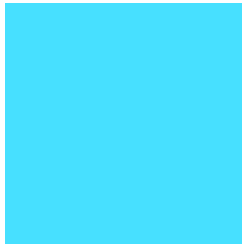
13.6158, 0.3687, 0.1805



1.3390, 0.3623, 0.1770

Previews

White Background



This preview shows how the Yxy color 61.8709, 0.2218, 0.2902 looks on a white background.

Color Contrast Check

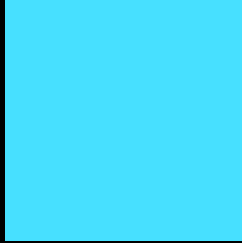
Large Text (above 18pt) WCAG AA × Fail

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 61.8709, 0.2218, 0.2902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

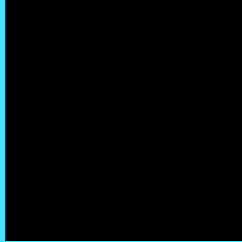
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.8709, 0.2218, 0.2902

Background



This preview shows how black text looks on a background with the Yxy color 61.8709, 0.2218, 0.2902.



This preview shows how white text looks on a background with the Yxy color 61.8709, 0.2218, 0.2902.

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

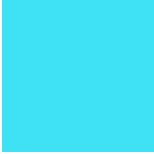
61.8709, 0.2218, 0.2902

Protanopia

60.8735, 0.2835, 0.2871

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

61.9811, 0.2248, 0.3058

Trichromacy



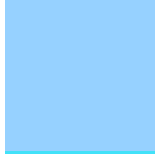
Original Color

61.8709, 0.2218, 0.2902



Protanomaly

59.7604, 0.2533, 0.2881



Deuteranomaly

59.3050, 0.2474, 0.2746



Tritanomaly

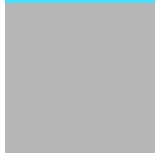
61.7860, 0.2236, 0.2996

Monochromacy



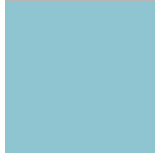
Original Color

61.8709, 0.2218, 0.2902



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.2867, 0.2653, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8709, 0.2218, 0.2902 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(71, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.8709, 0.2218, 0.2902 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(71, 224, 255) }
```

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

```
.border{ border-color:rgb(71, 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(71, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8709, 0.2218, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 224, 255) }
```

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

```
.background{ background-color: rgb(71, 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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