

Converting Colors

$Yxy(61.7947, 0.2214, 0.2901)$

Have a look what the booklet for
Yxy(61.7947, 0.2214, 0.2901)
contains.

Yxy(61.7965, 0.2214, 0.2901)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.7965, 0.2214, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	45E0FF
RGB	69, 224, 255
RGB Percent	27%, 88%, 100%
CMY	0.7293, 0.1216, 0.0000
CMYK	0.73, 0.12, 0.00, 0.00
HSL	190°, 100%, 64%
HSV	190°, 73%, 100%
XYZ	47.1622, 61.7965, 104.0593
YIQ	181.1890, -102.3310, -23.2190

Conversions

Conversions Part 2

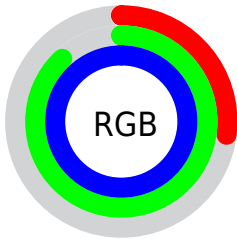
Format	Color
R _{YB}	69, 154, 255
Decimal	4579583
CIE _{Lab}	82.81, -30.04, -26.65
CIE _{LCh}	83, 40.158, 221.574
Yxy	61.7965, 0.2214, 0.2901
Android (android.graphics.Color)	4282769663 (0xFF45E0FF)
YUV	181.1890, 36.3888, -98.3898
Hunter-Lab	78.6107, -30.4785, -23.4563

Details

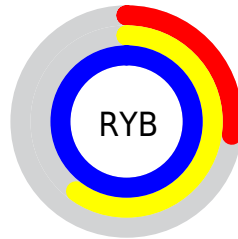
The Yxy color **61.7965, 0.2214, 0.2901** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.8099, 0.5401, 0.3550**, and the grayscale version is **46.1618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.8004, 0.2154, 0.2841**, and if you desaturate by 10%, it is **65.2529, 0.2294, 0.2962**.

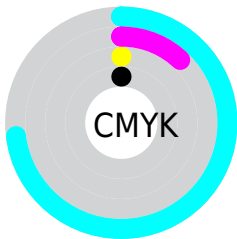
Distribution



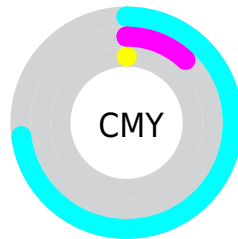
- Red (27%)
- Green (88%)
- Blue (100%)



- Red (27%)
- Yellow (60%)
- Blue (100%)



- Cyan (73%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7965, 0.2214, 0.2901 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 61.7965, 0.2214, 0.2901 by changing the saturation by 10% instead.


 61.7965, 0.2214,
0.2901


 61.7965, 0.2214,
0.2901


431.1884, 0.2630,
0.3098


 44.8683, 0.2122,
0.2852


 107.4314, 0.2357,
0.2972

 31.3537, 0.2009,
0.2791


 136.9068, 0.2413,
0.2999

 20.8683, 0.1870,
0.2710


 171.3334, 0.2461,
0.3022

 13.0278, 0.1694,
0.2602

 211.0957, 0.2504,
0.3042

 7.4477, 0.1466,
0.2449

256.5779, 0.2541,
0.3059

 3.7436, 0.1166,
0.2221

308.1645, 0.2574,

 1.5312, 0.0749,

0.3073

0.1869

366.2399, 0.2604,
0.3087

■ 0.3105, 0.0000,
0.0997

■ 0.0000, 0.0000,
0.0000

■ 61.7965, 0.2214,
0.2901

■ 61.7965, 0.2214,
0.2901

■ 58.8004, 0.2154,
0.2841

■ 65.2529, 0.2294,
0.2962

■ 56.2045, 0.2114,
0.2781

■ 69.2113, 0.2392,
0.3021

■ 54.5544, 0.2094,
0.2739

■ 73.7131, 0.2507,
0.3079

■ 78.7936, 0.2637,
0.3134

■ 84.4853, 0.2778,
0.3186

■ 90.8177, 0.2927,
0.3234

■ 97.8186, 0.3082,
0.3278

■ 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.



61.7965, 0.2400, 0.3377



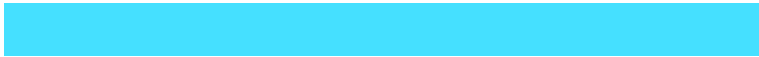
61.7965, 0.2214, 0.2901



61.7965, 0.2247, 0.2589

Triad

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



61.7965, 0.2214, 0.2901



61.7965, 0.3433, 0.2793



61.7965, 0.3751, 0.4179

Complementary

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



61.7965, 0.2214, 0.2901



30.8099, 0.5401, 0.3550

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.



61.7965, 0.4075, 0.3925



61.7965, 0.2214, 0.2901



61.7965, 0.3895, 0.3144

Square

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



61.7965, 0.2214, 0.2901



61.7965, 0.2914, 0.2556



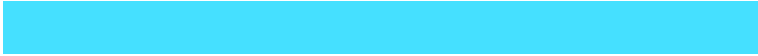
61.7965, 0.4136, 0.3546



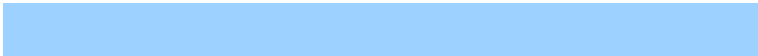
61.7965, 0.3274, 0.4182

Rectangle

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



61.7965, 0.2214, 0.2901



61.7965, 0.2387, 0.2492



61.7965, 0.4136, 0.3546



61.7965, 0.3882, 0.4116

Sweetspot

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



61.7979, 0.2214, 0.2901



85.0465, 0.2792, 0.3190



73.7069, 0.2928, 0.5326



17.8563, 0.2753, 0.3177



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.



61.7979, 0.2214, 0.2901



57.4381, 0.2132, 0.2810



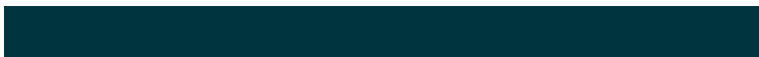
24.7242, 0.1893, 0.1635



19.9356, 0.2980, 0.3249



28.6965, 0.2097, 0.2748



2.9248, 0.2116, 0.2817

Inverse Universe

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



30.9017, 0.3525, 0.1917



27.2600, 0.3621, 0.1817



59.8343, 0.4541, 0.4427



18.2453, 0.3164, 0.3094



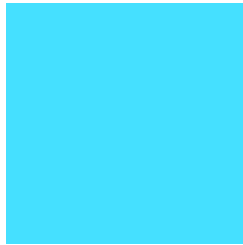
13.6249, 0.3683, 0.1802



1.3398, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 61.7965, 0.2214, 0.2901 looks on a white background.

Color Contrast Check

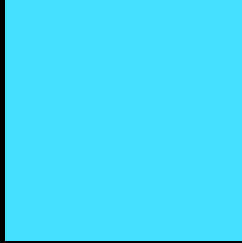
Large Text (above 18pt) WCAG AA × Fail

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 61.7965, 0.2214, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

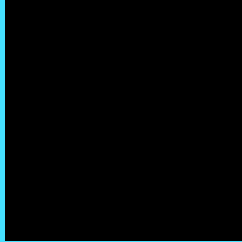
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7965, 0.2214, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 61.7965, 0.2214, 0.2901.

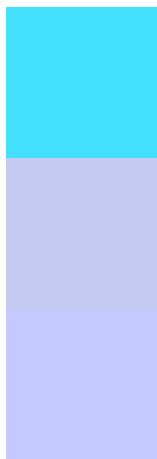


This preview shows how white text looks on a background with the Yxy color 61.7965, 0.2214, 0.2901.

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

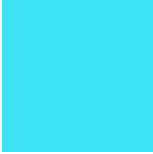
61.7965, 0.2214, 0.2901

Protanopia

60.8735, 0.2835, 0.2871

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

61.9165, 0.2244, 0.3057

Trichromacy



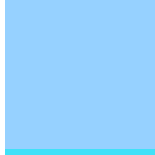
Original Color

61.7965, 0.2214, 0.2901



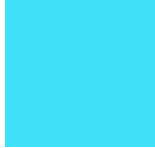
Protanomaly

59.6651, 0.2527, 0.2880



Deuteranomaly

59.3050, 0.2474, 0.2746



Tritanomaly

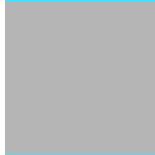
61.7177, 0.2232, 0.2996

Monochromacy



Original Color

61.7965, 0.2214, 0.2901



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

50.0620, 0.2646, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7965, 0.2214, 0.2901 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(69, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.7965, 0.2214, 0.2901 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(69, 224, 255) }
```

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

```
.border{ border-color:rgb(69, 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(69, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7965, 0.2214, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 224, 255) }
```

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

```
.background{ background-color: rgb(69, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor