

Converting Colors

$Yxy(62.4977, 0.2228, 0.2902)$

Have a look what the booklet for
Yxy(62.4977, 0.2228, 0.2902)
contains.

Yxy(62.5663, 0.2231, 0.2915)	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(62.5663, 0.2231, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	4BE1FF
RGB	75, 225, 255
RGB Percent	29%, 88%, 100%
CMY	0.7055, 0.1177, 0.0000
CMYK	0.71, 0.12, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 71%, 100%
XYZ	47.8852, 62.5663, 104.1842
YIQ	183.5700, -99.0300, -22.4700

Conversions

Conversions Part 2

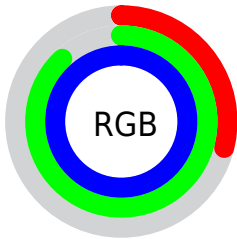
Format	Color
R_{YB}	75, 157, 255
Decimal	4973055
CIE _{Lab}	83.21, -29.79, -26.02
CIE _{LCh}	83, 39.556, 221.138
Yxy	62.5663, 0.2231, 0.2915
Android (android.graphics.Color)	4283163135 (0xFF4BE1FF)
YUV	183.5700, 35.2150, -95.2159
Hunter-Lab	79.0989, -30.3619, -22.7239

Details

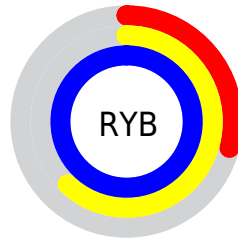
The Yxy color **62.5663, 0.2231, 0.2915** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.8927, 0.5298, 0.3552**, and the grayscale version is **47.5404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **32.4532, 0.2116, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **59.4639, 0.2167, 0.2855**, and if you desaturate by 10%, it is **66.1386, 0.2315, 0.2976**.

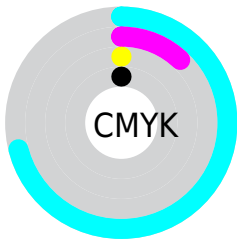
Distribution



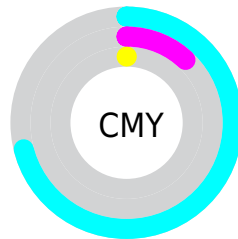
- Red (29%)
- Green (88%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5663, 0.2231, 0.2915 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 62.5663, 0.2231, 0.2915 by changing the saturation by 10% instead.


 62.5663, 0.2231,
0.2915

 62.5663, 0.2231,
0.2915


433.9938, 0.2639,
0.3105


 45.4904, 0.2140,
0.2868


 108.5436, 0.2371,
0.2984


 31.8439, 0.2030,
0.2809


 138.2138, 0.2426,
0.3010

 21.2423, 0.1894,
0.2732


 172.8509, 0.2473,
0.3032

 13.3012, 0.1721,
0.2627

 212.8393, 0.2515,
0.3050

 7.6363, 0.1497,
0.2480

258.5634, 0.2552,
0.3067

 3.8631, 0.1201,
0.2261

310.4076, 0.2584,

 1.5973, 0.0796,

0.3081

0.1918

368.7562, 0.2613,
0.3094

■ 0.3558, 0.0000,
0.1121

■ 0.0000, 0.0000,
0.0000

■ 62.5663, 0.2231,
0.2915

■ 62.5663, 0.2231,
0.2915

■ 59.4639, 0.2167,
0.2855

■ 66.1386, 0.2315,
0.2976

■ 56.7773, 0.2122,
0.2794

■ 70.2240, 0.2418,
0.3035

■ 54.5419, 0.2094,
0.2738

■ 74.8616, 0.2537,
0.3092

■ 80.0860, 0.2670,
0.3146

■ 85.9288, 0.2813,
0.3197

■ 92.4193, 0.2964,
0.3245

99.5845, 0.3119,
0.3288

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.



62.5663, 0.2417, 0.3383



62.5663, 0.2231, 0.2915



62.5663, 0.2260, 0.2605

Triad

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



62.5663, 0.2231, 0.2915



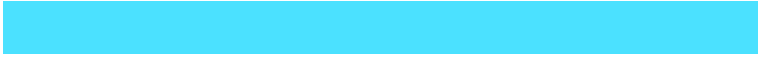
62.5663, 0.3420, 0.2798



62.5663, 0.3746, 0.4160

Complementary

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



62.5663, 0.2231, 0.2915



31.8927, 0.5298, 0.3552

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.



62.5663, 0.4060, 0.3910



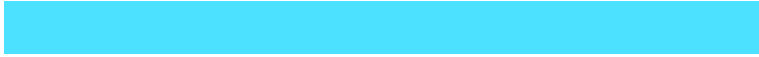
62.5663, 0.2231, 0.2915



62.5663, 0.3875, 0.3142

Square

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



62.5663, 0.2231, 0.2915



62.5663, 0.2912, 0.2566



62.5663, 0.4115, 0.3537



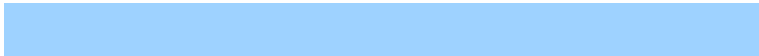
62.5663, 0.3280, 0.4166

Rectangle

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



62.5663, 0.2231, 0.2915



62.5663, 0.2397, 0.2508



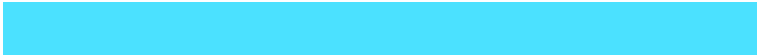
62.5663, 0.4115, 0.3537



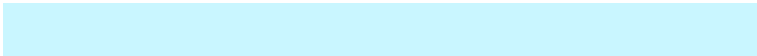
62.5663, 0.3874, 0.4098

Sweetspot

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



62.5667, 0.2231, 0.2915



85.6532, 0.2807, 0.3195



74.0411, 0.2928, 0.5260



17.9761, 0.2766, 0.3181



0.0000, 0.0000, 0.0000



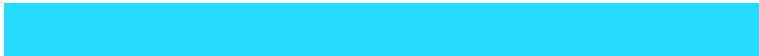
21.4041, 0.3127, 0.3290

Same Dimension

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



62.5667, 0.2231, 0.2915



58.2210, 0.2144, 0.2828



26.0649, 0.1927, 0.1695



19.9353, 0.2980, 0.3249



28.6901, 0.2097, 0.2748



2.9242, 0.2116, 0.2816

Inverse Universe

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



31.7407, 0.3509, 0.1942



27.7688, 0.3602, 0.1829



60.8134, 0.4496, 0.4407



18.2453, 0.3164, 0.3094



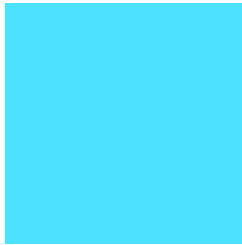
13.6242, 0.3683, 0.1802



1.3397, 0.3620, 0.1768

Previews

White Background



This preview shows how the Yxy color 62.5663, 0.2231, 0.2915 looks on a white background.

Color Contrast Check

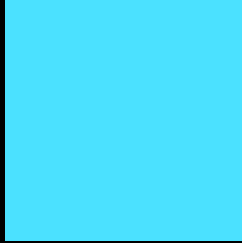
Large Text (above 18pt) WCAG AA × Fail

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 62.5663, 0.2231, 0.2915 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 62.5663, 0.2231, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 62.5663, 0.2231, 0.2915.

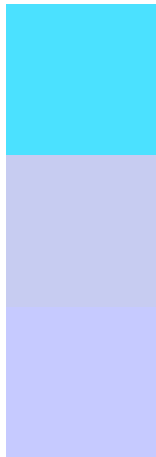


This preview shows how white text looks on a background with the Yxy color 62.5663, 0.2231, 0.2915.

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

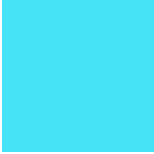
62.5663, 0.2231, 0.2915

Protanopia

61.6787, 0.2843, 0.2874

Deuteranopia

61.4668, 0.2750, 0.2707



Tritanopia

62.7960, 0.2261, 0.3059

Trichromacy



Original Color

62.5663, 0.2231, 0.2915



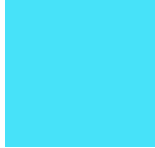
Protanomaly

60.6108, 0.2546, 0.2884



Deuteranomaly

60.0855, 0.2492, 0.2760



Tritanomaly

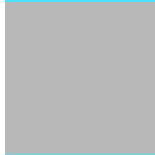
62.5719, 0.2247, 0.2998

Monochromacy



Original Color

62.5663, 0.2231, 0.2915



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.4293, 0.2663, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5663, 0.2231, 0.2915 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(75, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 225, 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(75, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.5663, 0.2231, 0.2915 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(75, 225, 255) }
```

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

```
.border{ border-color:rgb(75, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5663, 0.2231, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 225, 255) }
```

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

```
.background{ background-color: rgb(75, 225,  
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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