

Converting Colors

$Y_{xy}(67.6186, 0.1992, 0.2243)$

Have a look what the booklet for
Yxy(67.6186, 0.1992, 0.2243)
contains.

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Color

Yxy(62.4535, 0.2195, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	38E2FF
RGB	56, 226, 255
RGB Percent	22%, 89%, 100%
CMY	0.7814, 0.1137, 0.0000
CMYK	0.78, 0.11, 0.00, 0.00
HSL	189°, 100%, 61%
HSV	189°, 78%, 100%
XYZ	46.8668, 62.4535, 104.1959
YIQ	178.4760, -110.6290, -27.0210

Conversions

Conversions Part 2

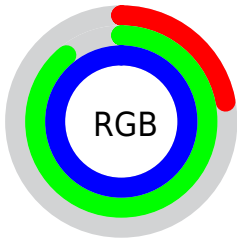
Format	Color
R _Y B	56, 148, 255
Decimal	3728127
CIE Lab	83.15, -32.37, -26.13
CIE LCh	83, 41.605, 218.911
Yxy	62.4535, 0.2195, 0.2925
Android (android.graphics.Color)	4281918207 (0xFF38E2FF)
YUV	178.4760, 37.7263, -107.4115
Hunter-Lab	79.0275, -32.4398, -22.8532

Details

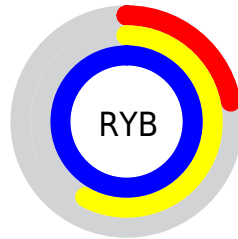
The Yxy color **62.4535, 0.2195, 0.2925** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.9984, 0.5654, 0.3504**, and the grayscale version is **44.5898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **32.8267, 0.2120, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **59.9058, 0.2148, 0.2873**, and if you desaturate by 10%, it is **65.4217, 0.2261, 0.2977**.

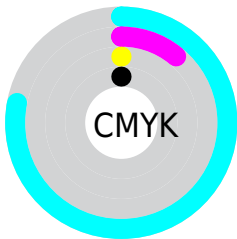
Distribution



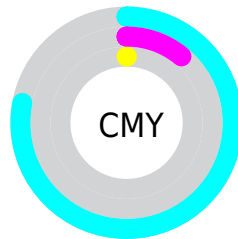
- Red (22%)
- Green (89%)
- Blue (100%)



- Red (22%)
- Yellow (58%)
- Blue (100%)



- Cyan (78%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.4535, 0.2195, 0.2925 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 62.4535, 0.2195, 0.2925 by changing the saturation by 10% instead.


 62.4535, 0.2195,
0.2925

 62.4535, 0.2195,
0.2925


433.5834, 0.2619,
0.3112


 45.3992, 0.2101,
0.2879


 108.3807, 0.2340,
0.2993

 31.7720, 0.1987,
0.2820


 138.0224, 0.2397,
0.3018

 21.1874, 0.1846,
0.2742


 172.6288, 0.2446,
0.3040

 13.2611, 0.1668,
0.2638

 212.5841, 0.2490,
0.3058

 7.6086, 0.1439,
0.2490

258.2728, 0.2528,
0.3074

 3.8455, 0.1138,
0.2269

310.0794, 0.2562,

 1.5875, 0.0720,

0.3088

0.1924

368.3881, 0.2592,
0.3101

■ 0.3492, 0.0000,
0.1103

■ 0.0000, 0.0000,
0.0000

■ 62.4535, 0.2195,
0.2925

■ 62.4535, 0.2195,
0.2925

■ 59.9058, 0.2148,
0.2873

■ 65.4217, 0.2261,
0.2977

■ 57.7042, 0.2119,
0.2822

■ 68.8550, 0.2347,
0.3029

■ 57.3146, 0.2115,
0.2812

■ 72.7980, 0.2451,
0.3080

■ 77.2880, 0.2572,
0.3129

■ 82.3590, 0.2705,
0.3176

■ 88.0416, 0.2850,
0.3220

■ 94.3644, 0.3001,
0.3260

■ 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.



62.4535, 0.2405, 0.3426



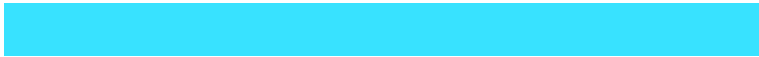
62.4535, 0.2195, 0.2925



62.4535, 0.2209, 0.2587

Triad

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



62.4535, 0.2195, 0.2925



62.4535, 0.3395, 0.2752



62.4535, 0.3807, 0.4192

Complementary

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



62.4535, 0.2195, 0.2925



27.9984, 0.5654, 0.3504

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.



62.4535, 0.4122, 0.3911



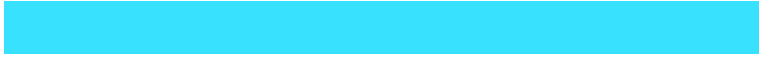
62.4535, 0.2195, 0.2925



62.4535, 0.3885, 0.3103

Square

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



62.4535, 0.2195, 0.2925



62.4535, 0.2862, 0.2520



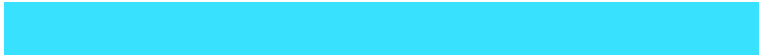
62.4535, 0.4159, 0.3515



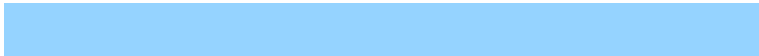
62.4535, 0.3324, 0.4226

Rectangle

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



62.4535, 0.2195, 0.2925



62.4535, 0.2341, 0.2477



62.4535, 0.4159, 0.3515



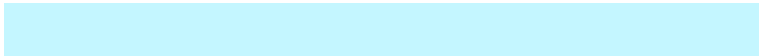
62.4535, 0.3937, 0.4120

Sweetspot

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



62.4554, 0.2195, 0.2925



85.1997, 0.2778, 0.3199



72.9676, 0.2949, 0.5530



17.8050, 0.2727, 0.3183



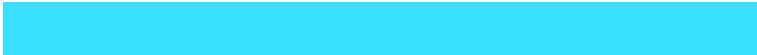
0.0000, 0.0000, 0.0000



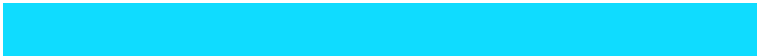
21.4041, 0.3127, 0.3290

Same Dimension

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



62.4554, 0.2195, 0.2925



58.5801, 0.2129, 0.2843



23.7039, 0.1846, 0.1592



20.0045, 0.2980, 0.3255



30.1200, 0.2117, 0.2821



3.0503, 0.2133, 0.2880

Inverse Universe

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



29.5562, 0.3510, 0.1840



26.7845, 0.3594, 0.1771



54.9753, 0.4698, 0.4403



18.2523, 0.3160, 0.3089



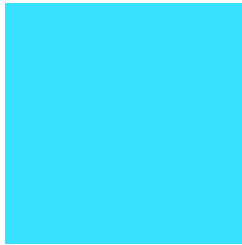
13.7686, 0.3616, 0.1765



1.3525, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 62.4535, 0.2195, 0.2925 looks on a white background.

Color Contrast Check

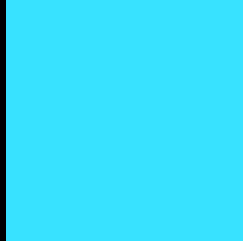
Large Text (above 18pt) WCAG AA × Fail

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 62.4535, 0.2195, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

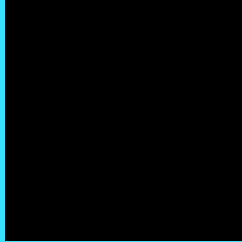
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.4535, 0.2195, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 62.4535, 0.2195, 0.2925.

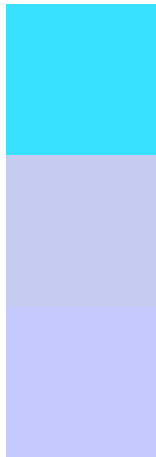


This preview shows how white text looks on a background with the Yxy color 62.4535, 0.2195, 0.2925.

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

62.4535, 0.2195, 0.2925

Protanopia

61.4828, 0.2843, 0.2884

Deuteranopia

61.4668, 0.2750, 0.2707



Tritanopia

62.7450, 0.2220, 0.3058

Trichromacy



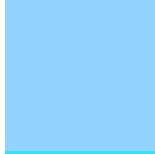
Original Color

62.4535, 0.2195, 0.2925



Protanomaly

59.7905, 0.2508, 0.2890



Deuteranomaly

59.9195, 0.2457, 0.2768



Tritanomaly

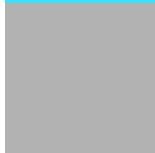
62.4558, 0.2210, 0.3008

Monochromacy



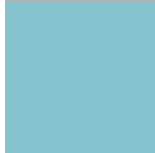
Original Color

62.4535, 0.2195, 0.2925



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.5548, 0.2618, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4535, 0.2195, 0.2925 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(56, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 226, 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(56, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.4535, 0.2195, 0.2925 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(56, 226, 255) }
```

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

```
.border{ border-color:rgb(56, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 226,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 62.4535, 0.2195, 0.2925$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 226, 255) }
```

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

```
.background{ background-color: rgb(56, 226,  
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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