

Converting Colors

$Y_{xy}(75.2368, 0.1844, 0.1758)$

Have a look what the booklet for
Yxy(75.2368, 0.1844, 0.1758)
contains.

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Color

Yxy(62.3696, 0.2190, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	35E2FF
RGB	53, 226, 255
RGB Percent	21%, 89%, 100%
CMY	0.7928, 0.1137, 0.0000
CMYK	0.79, 0.11, 0.00, 0.00
HSL	189°, 100%, 60%
HSV	189°, 79%, 100%
XYZ	46.7132, 62.3696, 104.2195
YIQ	177.5790, -112.4170, -27.6570

Conversions

Conversions Part 2

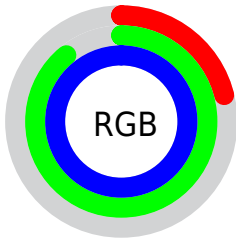
Format	Color
R_{YB}	53, 146, 255
Decimal	3531519
CIE _{Lab}	83.11, -32.61, -26.22
CIE _{LCh}	83, 41.850, 218.802
Yxy	62.3696, 0.2190, 0.2924
Android (android.graphics.Color)	4281721599 (0xFF35E2FF)
YUV	177.5790, 38.1686, -109.2558
Hunter-Lab	78.9744, -32.6229, -22.9606

Details

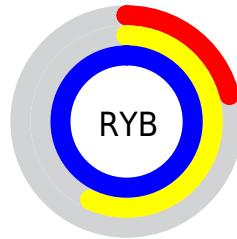
The Yxy color **62.3696, 0.2190, 0.2924** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.5259, 0.5703, 0.3497**, and the grayscale version is **44.1026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **32.8267, 0.2120, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **59.8862, 0.2146, 0.2873**, and if you desaturate by 10%, it is **65.2611, 0.2254, 0.2976**.

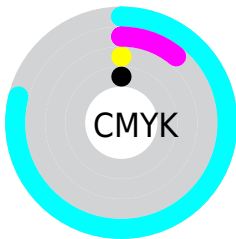
Distribution



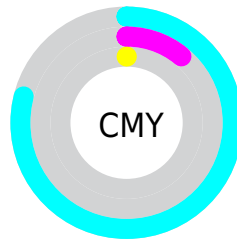
- Red (21%)
- Green (89%)
- Blue (100%)



- Red (21%)
- Yellow (57%)
- Blue (100%)



- Cyan (79%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (79%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3696, 0.2190, 0.2924 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 62.3696, 0.2190, 0.2924 by changing the saturation by 10% instead.


 62.3696, 0.2190,
0.2924


 62.3696, 0.2190,
0.2924

433.2780, 0.2616,
0.3111


 45.3314, 0.2096,
0.2877


 108.2595, 0.2336,
0.2992


 31.7185, 0.1981,
0.2818


 137.8801, 0.2393,
0.3018

 21.1466, 0.1840,
0.2741


 172.4635, 0.2443,
0.3039

 13.2312, 0.1661,
0.2635

 212.3942, 0.2486,
0.3058

 7.5880, 0.1431,
0.2487

258.0566, 0.2524,
0.3074

 3.8324, 0.1129,
0.2265

309.8351, 0.2558,

 1.5803, 0.0708,

0.3088

0.1919

368.1141, 0.2589,
0.3100

0.3442, 0.0000,
0.1088

0.0000, 0.0000,
0.0000

62.3696, 0.2190,
0.2924

62.3696, 0.2190,
0.2924

59.8862, 0.2146,
0.2873

65.2611, 0.2254,
0.2976

57.7345, 0.2118,
0.2823

68.6137, 0.2337,
0.3027

57.5849, 0.2117,
0.2819

72.4701, 0.2439,
0.3078

76.8684, 0.2558,
0.3126

■ 81.8426, 0.2690,
0.3172

■ 87.4238, 0.2833,
0.3216

■ 93.6409, 0.2983,
0.3256

■ 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.



62.3696, 0.2401, 0.3429



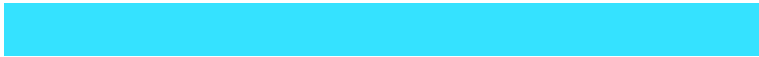
62.3696, 0.2190, 0.2924



62.3696, 0.2204, 0.2583

Triad

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



62.3696, 0.2190, 0.2924



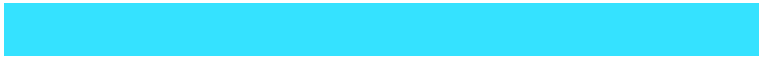
62.3696, 0.3394, 0.2747



62.3696, 0.3813, 0.4197

Complementary

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



62.3696, 0.2190, 0.2924



27.5259, 0.5703, 0.3497

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.



62.3696, 0.4129, 0.3913



62.3696, 0.2190, 0.2924



62.3696, 0.3889, 0.3101

Square

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



62.3696, 0.2190, 0.2924



62.3696, 0.2859, 0.2516



62.3696, 0.4165, 0.3514



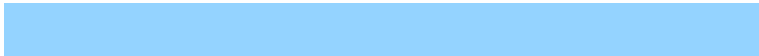
62.3696, 0.3326, 0.4232

Rectangle

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



62.3696, 0.2190, 0.2924



62.3696, 0.2335, 0.2472



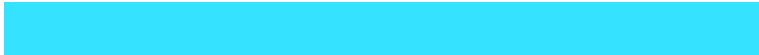
62.3696, 0.4165, 0.3514



62.3696, 0.3943, 0.4123

Sweetspot

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



62.3691, 0.2190, 0.2925



84.7099, 0.2764, 0.3196



72.8489, 0.2949, 0.5557



17.7130, 0.2714, 0.3180



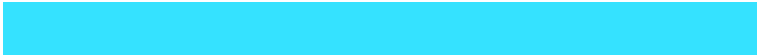
0.0000, 0.0000, 0.0000



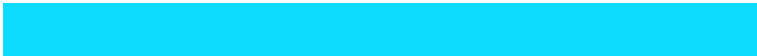
21.4041, 0.3127, 0.3290

Same Dimension

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



62.3691, 0.2190, 0.2925



58.6247, 0.2129, 0.2844



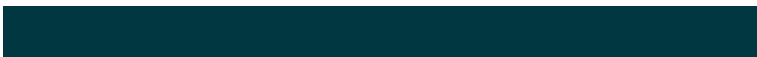
23.1433, 0.1832, 0.1565



20.0111, 0.2980, 0.3255



30.2594, 0.2119, 0.2828



3.0625, 0.2135, 0.2886

Inverse Universe

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



29.2835, 0.3511, 0.1828



26.7224, 0.3593, 0.1767



54.5132, 0.4720, 0.4407



18.2529, 0.3160, 0.3089



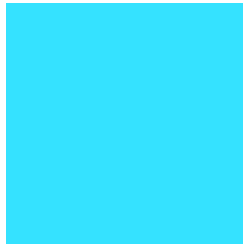
13.7827, 0.3609, 0.1762



1.3537, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 62.3696, 0.2190, 0.2924 looks on a white background.

Color Contrast Check

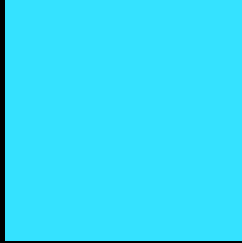
Large Text (above 18pt) WCAG AA × Fail

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 62.3696, 0.2190, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

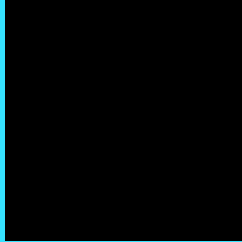
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.3696, 0.2190, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 62.3696, 0.2190, 0.2924.

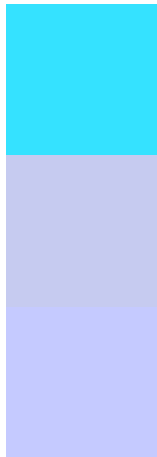


This preview shows how white text looks on a background with the Yxy color 62.3696, 0.2190, 0.2924.

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

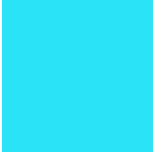
62.3696, 0.2190, 0.2924

Protanopia

61.0089, 0.2842, 0.2872

Deuteranopia

61.3314, 0.2744, 0.2705



Tritanopia

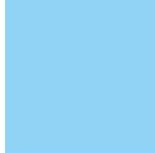
62.1056, 0.2211, 0.3044

Trichromacy



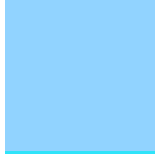
Original Color

62.3696, 0.2190, 0.2924



Protanomaly

59.2008, 0.2501, 0.2877



Deuteranomaly

59.8283, 0.2452, 0.2767



Tritanomaly

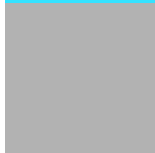
62.3821, 0.2206, 0.3008

Monochromacy



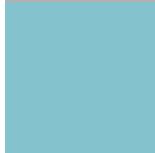
Original Color

62.3696, 0.2190, 0.2924



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.3920, 0.2606, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3696, 0.2190, 0.2924 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(53, 226, 255)` looks like.

```
.text, #text, p{  
  color:rgb(53, 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(53, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.3696, 0.2190, 0.2924 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(53, 226, 255) }
```

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

```
.border{ border-color:rgb(53, 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(53, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3696, 0.2190, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 226, 255) }
```

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

```
.background{ background-color: rgb(53, 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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