

Converting Colors

$Yxy(65.5809, 0.2562, 0.2873)$

Have a look what the booklet for
Yxy(65.5809, 0.2562, 0.2873)
contains.

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Color

Yxy(65.6696, 0.2561, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	A3DBFF
RGB	163, 219, 255
RGB Percent	64%, 86%, 100%
CMY	0.3610, 0.1411, 0.0000
CMYK	0.36, 0.14, 0.00, 0.00
HSL	203°, 100%, 82%
HSV	203°, 36%, 100%
XYZ	58.4770, 65.6696, 104.1900
YIQ	206.3600, -44.9320, -0.6760

Conversions

Conversions Part 2

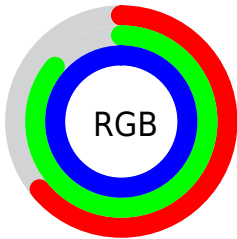
Format	Color
R _Y B	163, 198, 255
Decimal	10738687
CIE Lab	84.83, -9.34, -23.24
CIE LCh	85, 25.051, 248.100
Yxy	65.6696, 0.2561, 0.2876
Android (android.graphics.Color)	4288928767 (0xFFA3DBFF)
YUV	206.3600, 23.9795, -38.0267
Hunter-Lab	81.0368, -13.0069, -19.5041

Details

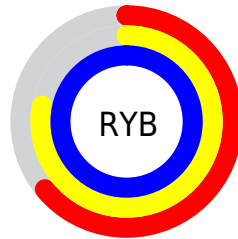
The Yxy color **65.6696, 0.2561, 0.2876** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.7154, 0.3867, 0.3667**, and the grayscale version is **61.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **33.8163, 0.2433, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **58.2010, 0.2411, 0.2738**, and if you desaturate by 10%, it is **73.9973, 0.2717, 0.3005**.

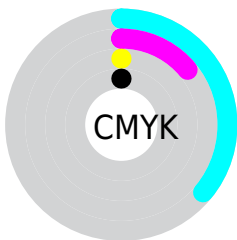
Distribution



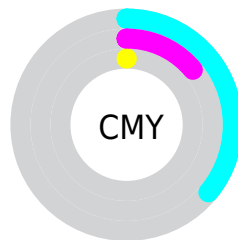
- Red (64%)
- Green (86%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6696, 0.2561, 0.2876 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 65.6696, 0.2561, 0.2876 by changing the saturation by 10% instead.


 65.6696, 0.2561,
0.2876

 65.6696, 0.2561,
0.2876


445.1943, 0.2822,
0.3072

 48.0042, 0.2502,
0.2830


 113.0120, 0.2651,
0.2945

 33.8302, 0.2430,
0.2773


 143.4578, 0.2686,
0.2971

 22.7632, 0.2339,
0.2701


178.9326, 0.2717,
0.2994

 14.4188, 0.2221,
0.2606

219.8207, 0.2743,
0.3014

 8.4125, 0.2065,
0.2476

266.5065, 0.2766,
0.3031

 4.3600, 0.1847,
0.2288

319.3745, 0.2787,

 1.8769, 0.1528,

0.3047

0.2001

378.8089, 0.2805,
0.3060

■ 0.5344, 0.0771,
0.1472

■ 0.0000, 0.0000,
0.0000

■ 65.6696, 0.2561,
0.2876

■ 65.6696, 0.2561,
0.2876

■ 58.2010, 0.2411,
0.2738

■ 73.9973, 0.2717,
0.3005

■ 51.5455, 0.2271,
0.2592

■ 83.2118, 0.2876,
0.3123

■ 45.6639, 0.2146,
0.2440

■ 93.3485, 0.3033,
0.3230

■ 40.5093, 0.2039,
0.2287

99.9992, 0.3127,
0.3290

■ 36.0277, 0.1953,
0.2134

■ 32.1531, 0.1890,
0.1985

■ 30.7679, 0.1869,
0.1928

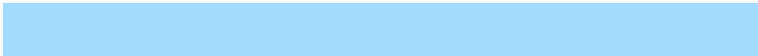
Harmonies

Analogous

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



65.6696, 0.2558, 0.3093



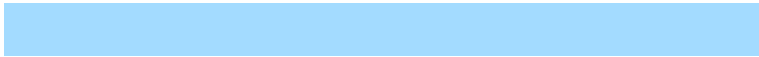
65.6696, 0.2561, 0.2876



65.6696, 0.2706, 0.2779

Triad

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



65.6696, 0.2561, 0.2876



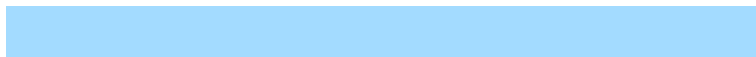
65.6696, 0.3568, 0.3178



65.6696, 0.3265, 0.3829

Complementary

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



65.6696, 0.2561, 0.2876



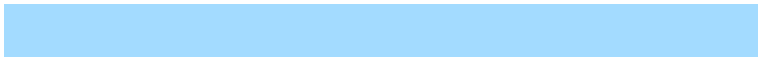
64.7154, 0.3867, 0.3667

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.



65.6696, 0.3549, 0.3826



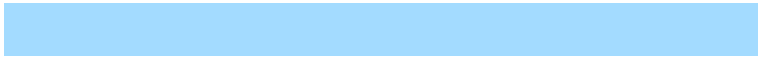
65.6696, 0.2561, 0.2876



65.6696, 0.3732, 0.3437

Square

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



65.6696, 0.2561, 0.2876



65.6696, 0.3283, 0.2954



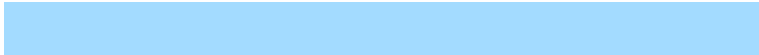
65.6696, 0.3723, 0.3675



65.6696, 0.2954, 0.3665

Rectangle

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



65.6696, 0.2561, 0.2876



65.6696, 0.2870, 0.2786



65.6696, 0.3723, 0.3675



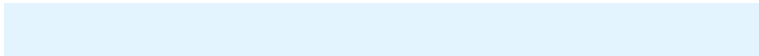
65.6696, 0.3367, 0.3847

Sweetspot

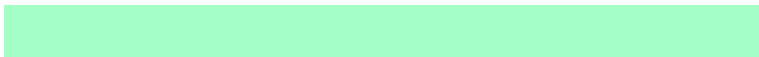
The Sweet Spot groups the original color and five complimentary colors.



65.6722, 0.2561, 0.2876



88.2657, 0.2956, 0.3179



83.3826, 0.2896, 0.3954



18.5999, 0.2935, 0.3164



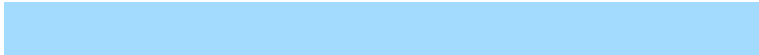
0.0000, 0.0000, 0.0000



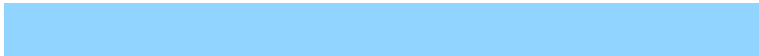
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6722, 0.2561, 0.2876



60.4285, 0.2456, 0.2781



45.1554, 0.2484, 0.2326



19.2195, 0.2979, 0.3195



16.3776, 0.1876, 0.1953



1.8073, 0.1923, 0.2121

Inverse Universe

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



52.5523, 0.3472, 0.2719



46.3785, 0.3563, 0.2610



88.7532, 0.3707, 0.4098



18.1730, 0.3198, 0.3146



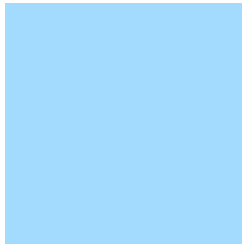
12.3813, 0.4507, 0.2256



1.2270, 0.4318, 0.2152

Previews

White Background



This preview shows how the Yxy color 65.6696, 0.2561, 0.2876 looks on a white background.

Color Contrast Check

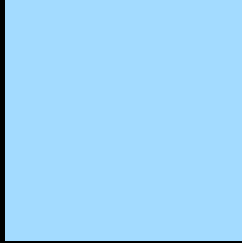
Large Text (above 18pt) WCAG AA × Fail

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 65.6696, 0.2561, 0.2876 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

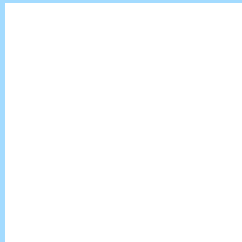
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6696, 0.2561, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 65.6696, 0.2561, 0.2876.

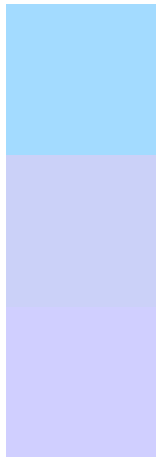


This preview shows how white text looks on a background with the Yxy color 65.6696, 0.2561, 0.2876.

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

65.6696, 0.2561, 0.2876

Protanopia

65.0747, 0.2831, 0.2861

Deuteranopia

65.2555, 0.2820, 0.2773



Tritanopia

65.8455, 0.2626, 0.3088

Trichromacy



Original Color

65.6696, 0.2561, 0.2876

Protanomaly

65.2449, 0.2719, 0.2864

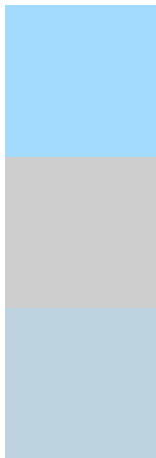
Deuteranomaly

65.0150, 0.2720, 0.2803

Tritanomaly

65.7791, 0.2599, 0.3008

Monochromacy



Original Color

65.6696, 0.2561, 0.2876

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.9175, 0.2892, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6696, 0.2561, 0.2876 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(163, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 219, 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(163, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.6696, 0.2561, 0.2876 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(163, 219, 255) }
```

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

```
.border{ border-color:rgb(163, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6696, 0.2561, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 219, 255) }
```

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

```
.background{ background-color: rgb(163,  
219, 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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