

Converting Colors

$Yxy(65.8633, 0.2360, 0.2407)$

Have a look what the booklet for
Yxy(65.8633, 0.2360, 0.2407)
contains.

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Color

Yxy(63.0997, 0.2553, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	A3D6FF
RGB	163, 214, 255
RGB Percent	64%, 84%, 100%
CMY	0.3606, 0.1608, 0.0000
CMYK	0.36, 0.16, 0.00, 0.00
HSL	207°, 100%, 82%
HSV	207°, 36%, 100%
XYZ	57.2065, 63.0997, 103.7694
YIQ	203.4250, -43.5570, 1.9390

Conversions

Conversions Part 2

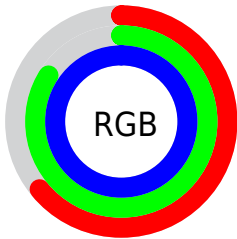
Format	Color
R _Y B	163, 196, 255
Decimal	10737407
CIE Lab	83.49, -6.70, -25.28
CIE LCh	83, 26.149, 255.151
Yxy	63.0997, 0.2553, 0.2816
Android (android.graphics.Color)	4288927487 (0xFFA3D6FF)
YUV	203.4250, 25.4265, -35.4527
Hunter-Lab	79.4353, -10.4624, -21.8481

Details

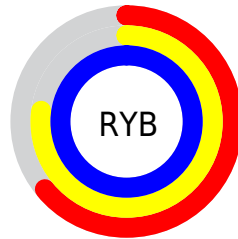
The Yxy color **63.0997, 0.2553, 0.2816** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.1133, 0.3847, 0.3717**, and the grayscale version is **59.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **32.0616, 0.2419, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **55.1196, 0.2397, 0.2657**, and if you desaturate by 10%, it is **72.0291, 0.2714, 0.2964**.

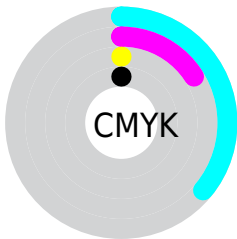
Distribution



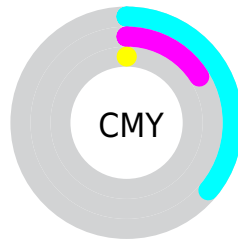
- Red (64%)
- Green (84%)
- Blue (100%)



- Red (64%)
- Yellow (77%)
- Blue (100%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0997, 0.2553, 0.2816 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 63.0997, 0.2553, 0.2816 by changing the saturation by 10% instead.

63.0997, 0.2553,
0.2816

63.0997, 0.2553,
0.2816

435.9312, 0.2819,
0.3041

45.9219, 0.2492,
0.2764

109.3133, 0.2645,
0.2895

32.1842, 0.2418,
0.2699

139.1179, 0.2681,
0.2925

21.5022, 0.2324,
0.2617

173.9002, 0.2712,
0.2951

13.4916, 0.2202,
0.2509

214.0446, 0.2739,
0.2974

7.7679, 0.2039,
0.2361

259.9356, 0.2763,
0.2994

3.9468, 0.1812,
0.2151

311.9574, 0.2784,

1.6439, 0.1479,

0.3011

0.1831

370.4945, 0.2803,
0.3027

0.3869, 0.0606,
0.1148

0.0000, 0.0000,
0.0000

63.0997, 0.2553,
0.2816

63.0997, 0.2553,
0.2816

55.1196, 0.2397,
0.2657

72.0291, 0.2714,
0.2964

48.0406, 0.2249,
0.2488

81.9386, 0.2875,
0.3100

41.8204, 0.2116,
0.2314

92.8659, 0.3033,
0.3222

36.4091, 0.2001,
0.2138

99.9999, 0.3127,
0.3290

■ 31.7496, 0.1907,
0.1963

■ 27.7729, 0.1838,
0.1796

■ 26.3567, 0.1814,
0.1732

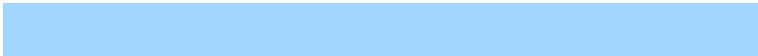
Harmonies

Analogous

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



63.0997, 0.2513, 0.3017



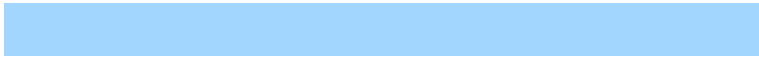
63.0997, 0.2553, 0.2816



63.0997, 0.2738, 0.2747

Triad

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



63.0997, 0.2553, 0.2816



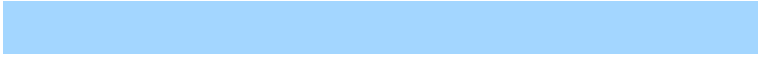
63.0997, 0.3649, 0.3234



63.0997, 0.3194, 0.3837

Complementary

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



63.0997, 0.2553, 0.2816



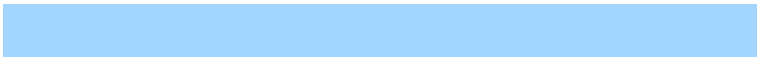
67.1133, 0.3847, 0.3717

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.



63.0997, 0.3509, 0.3874



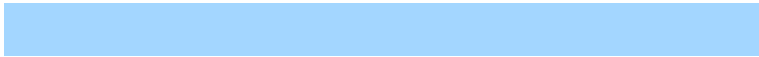
63.0997, 0.2553, 0.2816



63.0997, 0.3783, 0.3508

Square

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



63.0997, 0.2553, 0.2816



63.0997, 0.3369, 0.2985



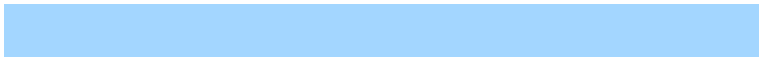
63.0997, 0.3728, 0.3744



63.0997, 0.2872, 0.3625

Rectangle

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



63.0997, 0.2553, 0.2816



63.0997, 0.2926, 0.2776



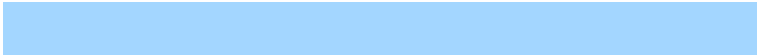
63.0997, 0.3728, 0.3744



63.0997, 0.3304, 0.3870

Sweetspot

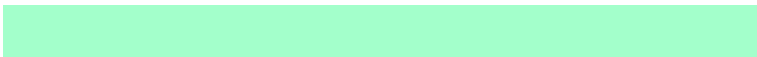
The Sweet Spot groups the original color and five complimentary colors.



63.1022, 0.2553, 0.2816



87.3406, 0.2956, 0.3163



83.6166, 0.2873, 0.3897



18.3793, 0.2934, 0.3146



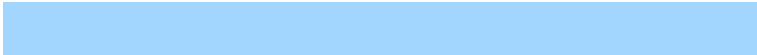
0.0000, 0.0000, 0.0000



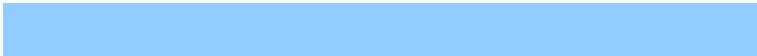
21.4041, 0.3127, 0.3290

Same Dimension

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



63.1022, 0.2553, 0.2816



57.4659, 0.2444, 0.2707



43.4519, 0.2477, 0.2271



19.0469, 0.2979, 0.3181



14.0749, 0.1822, 0.1758



1.5885, 0.1874, 0.1948

Inverse Universe

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



52.3245, 0.3517, 0.2768



46.0794, 0.3623, 0.2668



91.5753, 0.3691, 0.4138



18.1556, 0.3207, 0.3159



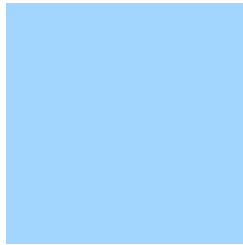
12.1488, 0.4735, 0.2382



1.2049, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 63.0997, 0.2553, 0.2816 looks on a white background.

Color Contrast Check

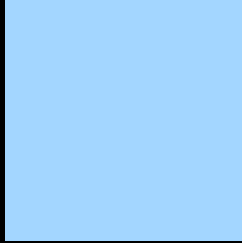
Large Text (above 18pt) WCAG AA × Fail

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 63.0997, 0.2553, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

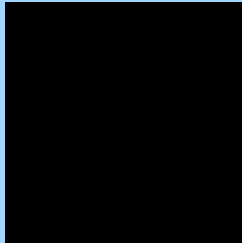
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

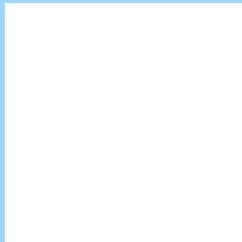
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.0997, 0.2553, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 63.0997, 0.2553, 0.2816.



This preview shows how white text looks on a background with the Yxy color 63.0997, 0.2553, 0.2816.

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

63.0997, 0.2553, 0.2816

Protanopia

62.9879, 0.2789, 0.2813

Deuteranopia

62.4884, 0.2778, 0.2722



Tritanopia

62.8930, 0.2634, 0.3072

Trichromacy



Original Color

63.0997, 0.2553, 0.2816

Protanomaly

62.8803, 0.2696, 0.2816

Deuteranomaly

62.5370, 0.2691, 0.2754

Tritanomaly

62.9961, 0.2606, 0.2981

Monochromacy



Original Color

63.0997, 0.2553, 0.2816

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.5909, 0.2889, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0997, 0.2553, 0.2816 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.0997, 0.2553, 0.2816 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, 214, 255) }
```

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

```
.border{ border-color:rgb(163, 214, 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, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0997, 0.2553, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 214, 255) }
```

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

```
.background{ background-color: rgb(163,  
214, 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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