

Converting Colors

$Yxy(63.4537, 0.2665, 0.3003)$

Have a look what the booklet for
Yxy(63.4537, 0.2665, 0.3003)
contains.

Yxy(63.2170, 0.2661, 0.2995)	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(63.2170, 0.2661, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	A8D7F0
RGB	168, 215, 240
RGB Percent	66%, 84%, 94%
CMY	0.3415, 0.1568, 0.0588
CMYK	0.30, 0.10, 0.00, 0.06
HSL	201°, 71%, 80%
HSV	201°, 30%, 94%
XYZ	56.1671, 63.2170, 91.6910
YIQ	203.7970, -36.0370, -2.1890

Conversions

Conversions Part 2

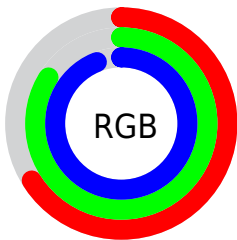
Format	Color
R_{YB}	168, 196, 240
Decimal	11065328
CIE _{Lab}	83.56, -9.54, -17.22
CIE _{LCh}	84, 19.683, 241.009
Yxy	63.2170, 0.2661, 0.2995
Android (android.graphics.Color)	4289255408 (0xFFA8D7F0)
YUV	203.7970, 17.8481, -31.3940
Hunter-Lab	79.5091, -13.0444, -12.7177

Details

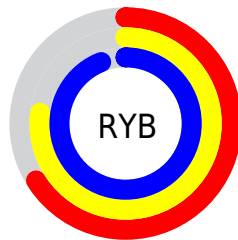
The Yxy color **63.2170, 0.2661, 0.2995** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.4600, 0.3722, 0.3566**, and the grayscale version is **60.1446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **32.1797, 0.2551, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **56.6932, 0.2511, 0.2879**, and if you desaturate by 10%, it is **70.4476, 0.2816, 0.3103**.

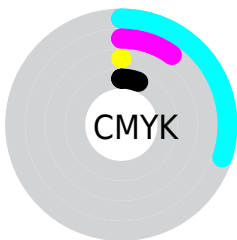
Distribution



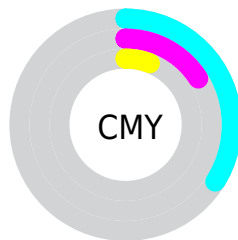
- Red (66%)
- Green (84%)
- Blue (94%)



- Red (66%)
- Yellow (77%)
- Blue (94%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (34%)
- Magenta (16%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2170, 0.2661, 0.2995 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 63.2170, 0.2661, 0.2995 by changing the saturation by 10% instead.

63.2170, 0.2661,
0.2995

63.2170, 0.2661,
0.2995

436.3566, 0.2878,
0.3137

46.0168, 0.2611,
0.2961

109.4825, 0.2737,
0.3045

32.2591, 0.2549,
0.2919

139.3166, 0.2766,
0.3065

21.5595, 0.2471,
0.2865

174.1308, 0.2791,
0.3081

13.5336, 0.2369,
0.2792

214.3094, 0.2813,
0.3095

7.7970, 0.2229,
0.2690

260.2369, 0.2833,
0.3108

3.9653, 0.2030,
0.2539

312.2977, 0.2850,

1.6542, 0.1726,

0.3119

0.2294

370.8761, 0.2865,
0.3128

0.3937, 0.0606,
0.1687

0.0000, 0.0000,
0.0000

63.2170, 0.2661,
0.2995

63.2170, 0.2661,
0.2995

56.6932, 0.2511,
0.2879

70.4476, 0.2816,
0.3103

50.8386, 0.2370,
0.2755

78.4053, 0.2972,
0.3201

45.6232, 0.2242,
0.2625

87.1187, 0.3127,
0.3290

41.0109, 0.2131,
0.2492

94.8780, 0.3220,
0.3370

■ 36.9607, 0.2038,
0.2357

■ 99.0722, 0.3214,
0.3434

■ 33.4247, 0.1967,
0.2223

■ 30.3337, 0.1915,
0.2093

Harmonies

Analogous

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



63.2170, 0.2687, 0.3189



63.2170, 0.2661, 0.2995



63.2170, 0.2753, 0.2890

Triad

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



63.2170, 0.2661, 0.2995



63.2170, 0.3431, 0.3155



63.2170, 0.3297, 0.3727

Complementary

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



63.2170, 0.2661, 0.2995



59.4600, 0.3722, 0.3566

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.



63.2170, 0.3507, 0.3699



63.2170, 0.2661, 0.2995



63.2170, 0.3588, 0.3362

Square

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



63.2170, 0.2661, 0.2995



63.2170, 0.3192, 0.2985



63.2170, 0.3615, 0.3561



63.2170, 0.3048, 0.3626

Rectangle

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



63.2170, 0.2661, 0.2995



63.2170, 0.2872, 0.2877



63.2170, 0.3615, 0.3561



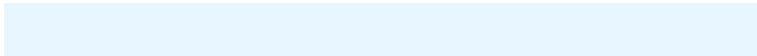
63.2170, 0.3375, 0.3732

Sweetspot

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



63.2195, 0.2661, 0.2995



90.9312, 0.2987, 0.3210



74.4504, 0.2951, 0.3868



19.1636, 0.2965, 0.3197



0.0000, 0.0000, 0.0000



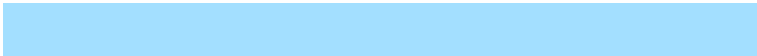
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2195, 0.2661, 0.2995



67.8921, 0.2569, 0.2925



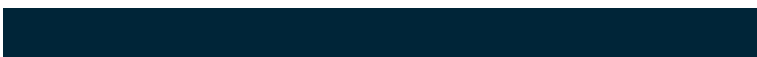
47.2291, 0.2612, 0.2561



16.9525, 0.2980, 0.3206



16.8608, 0.1921, 0.2114



1.5877, 0.1969, 0.2287

Inverse Universe

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



51.4144, 0.3370, 0.2786



52.8622, 0.3435, 0.2681



76.8401, 0.3615, 0.3926



15.9329, 0.3191, 0.3137



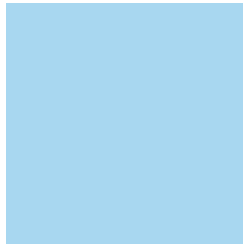
11.4955, 0.4326, 0.2157



0.9750, 0.4140, 0.2054

Previews

White Background



This preview shows how the Yxy color 63.2170, 0.2661, 0.2995 looks on a white background.

Color Contrast Check

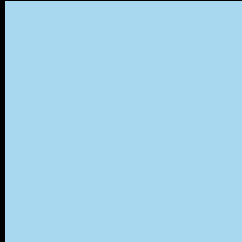
Large Text (above 18pt) WCAG AA × Fail

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 63.2170, 0.2661, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

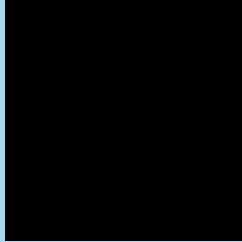
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2170, 0.2661, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 63.2170, 0.2661, 0.2995.

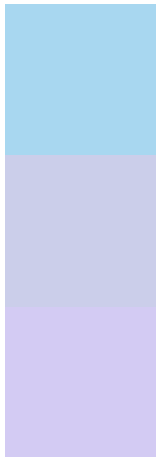


This preview shows how white text looks on a background with the Yxy color 63.2170, 0.2661, 0.2995.

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

63.2170, 0.2661, 0.2995

Protanopia

62.7796, 0.2916, 0.2975

Deuteranopia

63.0318, 0.2914, 0.2852



Tritanopia

63.1019, 0.2689, 0.3086

Trichromacy



Original Color

63.2170, 0.2661, 0.2995

Protanomaly

62.6042, 0.2817, 0.2980

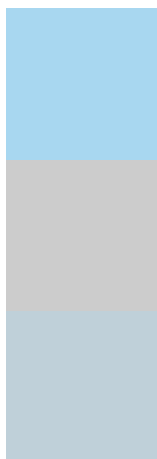
Deuteranomaly

62.6386, 0.2812, 0.2895

Tritanomaly

63.3834, 0.2679, 0.3052

Monochromacy



Original Color

63.2170, 0.2661, 0.2995

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.1979, 0.2942, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2170, 0.2661, 0.2995 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(168, 215, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 215, 240)  
}
```

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(168, 215, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 215, 240) }
```

Border

The CSS property to change the border of an element to Yxy 63.2170, 0.2661, 0.2995 is called "border". The border property can be set on classes, ids or directly on the HTML element.

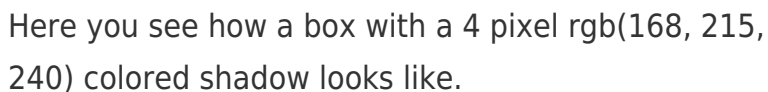
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 215, 240) }
```

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

```
.border{ border-color:rgb(168, 215, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 215, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 215, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 215, 240); box-shadow:4px 4px 4px 4px rgb(168, 215, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2170, 0.2661, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 215, 240) }
```

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

```
.background{ background-color: rgb(168,  
215, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor