

Converting Colors

$Yxy(64.4728, 0.2668, 0.2958)$

Have a look what the booklet for
Yxy(64.4728, 0.2668, 0.2958)
contains.

Yxy(64.5276, 0.2671, 0.2965)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5276, 0.2671, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	ADD8F4
RGB	173, 216, 244
RGB Percent	68%, 85%, 96%
CMY	0.3213, 0.1530, 0.0432
CMYK	0.29, 0.11, 0.00, 0.04
HSL	204°, 76%, 82%
HSV	204°, 29%, 96%
XYZ	58.1292, 64.5276, 94.9742
YIQ	206.3350, -34.6160, -0.4080

Conversions

Conversions Part 2

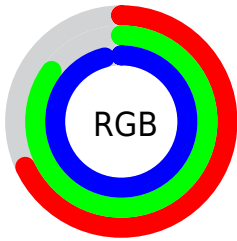
Format	Color
R _Y B	173, 200, 244
Decimal	11393268
CIE Lab	84.24, -7.65, -18.27
CIE LCh	84, 19.805, 247.263
Yxy	64.5276, 0.2671, 0.2965
Android (android.graphics.Color)	4289583348 (0xFFADD8F4)
YUV	206.3350, 18.5688, -29.2348
Hunter-Lab	80.3291, -11.4063, -13.8690

Details

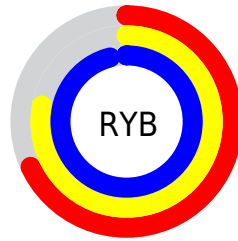
The Yxy color **64.5276, 0.2671, 0.2965** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.0621, 0.3688, 0.3593**, and the grayscale version is **61.8521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **33.0425, 0.2562, 0.2876** is the 20% darker color. If you saturate the color by 10%, you get **57.2037, 0.2516, 0.2832**, and if you desaturate by 10%, it is **72.6541, 0.2829, 0.3087**.

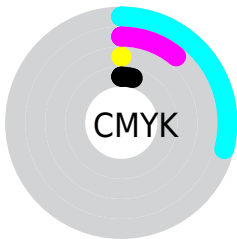
Distribution



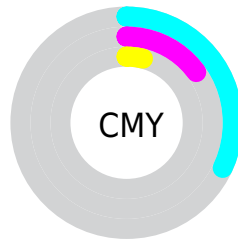
- Red (68%)
- Green (85%)
- Blue (96%)



- Red (68%)
- Yellow (78%)
- Blue (96%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (32%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5276, 0.2671, 0.2965 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 64.5276, 0.2671, 0.2965 by changing the saturation by 10% instead.

■ 64.5276, 0.2671,
0.2965

■ 64.5276, 0.2671,
0.2965

441.0924, 0.2883,
0.3120

■ 47.0781, 0.2622,
0.2929

■ 111.3704, 0.2745,
0.3020

■ 33.0974, 0.2562,
0.2883

141.5326, 0.2773,
0.3041

■ 22.2011, 0.2487,
0.2825

176.7010, 0.2798,
0.3059

■ 14.0047, 0.2388,
0.2748

217.2603, 0.2819,
0.3074

■ 8.1240, 0.2253,
0.2641

263.5946, 0.2838,
0.3088

■ 4.1744, 0.2062,
0.2484

316.0885, 0.2855,

■ 1.7716, 0.1772,

0.3100

0.2235

375.1263, 0.2870,
0.3110

0.4694, 0.0935,
0.1692

0.0000, 0.0000,
0.0000

64.5276, 0.2671,
0.2965

64.5276, 0.2671,
0.2965

57.2037, 0.2516,
0.2832

72.6541, 0.2829,
0.3087

50.6421, 0.2368,
0.2690

81.6059, 0.2987,
0.3199

44.8101, 0.2232,
0.2541

91.4140, 0.3141,
0.3299

39.6687, 0.2111,
0.2388

99.0111, 0.3191,
0.3391

■ 35.1741, 0.2010,
0.2233

■ 99.3113, 0.3191,
0.3396

■ 31.2752, 0.1930,
0.2080

■ 27.8973, 0.1871,
0.1931

■ 27.6003, 0.1866,
0.1917

Harmonies

Analogous

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



64.5276, 0.2672, 0.3143



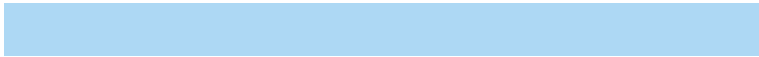
64.5276, 0.2671, 0.2965



64.5276, 0.2786, 0.2881

Triad

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



64.5276, 0.2671, 0.2965



64.5276, 0.3472, 0.3197



64.5276, 0.3246, 0.3716

Complementary

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



64.5276, 0.2671, 0.2965



64.0621, 0.3688, 0.3593

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.



64.5276, 0.3469, 0.3714



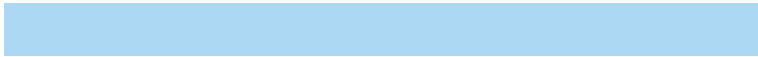
64.5276, 0.2671, 0.2965



64.5276, 0.3605, 0.3406

Square

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



64.5276, 0.2671, 0.2965



64.5276, 0.3245, 0.3016



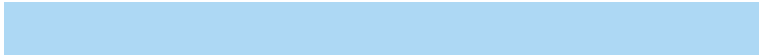
64.5276, 0.3603, 0.3596



64.5276, 0.2998, 0.3590

Rectangle

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



64.5276, 0.2671, 0.2965



64.5276, 0.2917, 0.2883



64.5276, 0.3603, 0.3596



64.5276, 0.3327, 0.3730

Sweetspot

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



64.5302, 0.2671, 0.2965



90.2577, 0.2987, 0.3199



77.7732, 0.2937, 0.3804



18.9974, 0.2965, 0.3184



0.0000, 0.0000, 0.0000



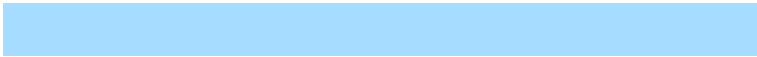
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5302, 0.2671, 0.2965



66.3589, 0.2577, 0.2886



48.6131, 0.2625, 0.2544



17.5954, 0.2980, 0.3194



15.2823, 0.1873, 0.1941



1.5433, 0.1924, 0.2128

Inverse Universe

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



54.1047, 0.3390, 0.2836



53.5961, 0.3461, 0.2740



82.0824, 0.3589, 0.3940



16.6510, 0.3199, 0.3148



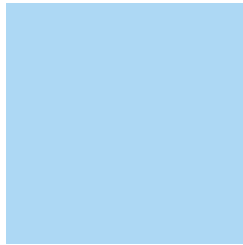
11.6421, 0.4520, 0.2264



1.0434, 0.4311, 0.2148

Previews

White Background



This preview shows how the Yxy color 64.5276, 0.2671, 0.2965 looks on a white background.

Color Contrast Check

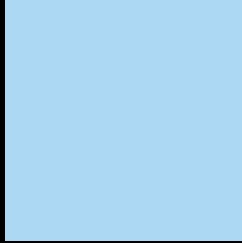
Large Text (above 18pt) WCAG AA × Fail

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 64.5276, 0.2671, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

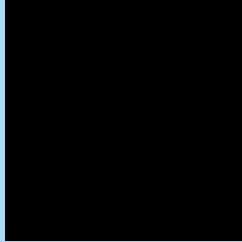
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

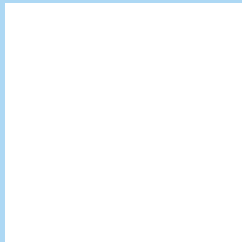
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.5276, 0.2671, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 64.5276, 0.2671, 0.2965.



This preview shows how white text looks on a background with the Yxy color 64.5276, 0.2671, 0.2965.

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

64.5276, 0.2671, 0.2965

Protanopia

64.3229, 0.2899, 0.2946

Deuteranopia

64.3135, 0.2902, 0.2845



Tritanopia

64.2818, 0.2709, 0.3077

Trichromacy



Original Color

64.5276, 0.2671, 0.2965

Protanomaly

64.2769, 0.2808, 0.2951

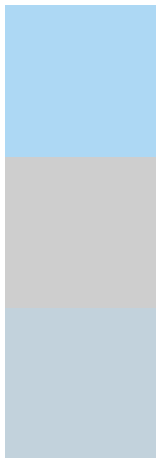
Deuteranomaly

64.1993, 0.2815, 0.2889

Tritanomaly

64.5694, 0.2699, 0.3043

Monochromacy



Original Color

64.5276, 0.2671, 0.2965

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.7298, 0.2945, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5276, 0.2671, 0.2965 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(173, 216, 244)` looks like.

```
.text, #text, p{  
    color:rgb(173, 216, 244)  
}
```

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(173, 216, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 216, 244) }
```

Border

The CSS property to change the border of an element to Yxy 64.5276, 0.2671, 0.2965 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(173, 216, 244) }
```

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

```
.border{ border-color:rgb(173, 216, 244) }
```

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

Here you see how a box with a 4 pixel rgb(173, 216, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 216, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 216, 244);  
box-shadow:4px 4px 4px 4px rgb(173, 216,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5276, 0.2671, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 216, 244) }
```

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

```
.background{ background-color: rgb(173,  
216, 244) }
```

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