

Converting Colors

$Yxy(63.9913, 0.2624, 0.2985)$

Have a look what the booklet for
Yxy(63.9913, 0.2624, 0.2985)
contains.

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Color

Yxy(63.9893, 0.2625, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	A4D9F3
RGB	164, 217, 243
RGB Percent	64%, 85%, 95%
CMY	0.3570, 0.1490, 0.0471
CMYK	0.33, 0.11, 0.00, 0.05
HSL	200°, 77%, 80%
HSV	200°, 33%, 95%
XYZ	56.2909, 63.9893, 94.1612
YIQ	204.1170, -39.9340, -3.1500

Conversions

Conversions Part 2

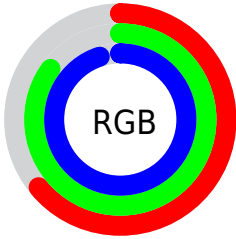
Format	Color
RYB	164, 196, 243
Decimal	10803699
CIELab	83.96, -10.97, -18.20
CIElCh	84, 21.252, 238.918
Yxy	63.9893, 0.2625, 0.2984
Android (android.graphics.Color)	4288993779 (0xFFA4D9F3)
YUV	204.1170, 19.1693, -35.1826
Hunter-Lab	79.9933, -14.3788, -13.7957

Details

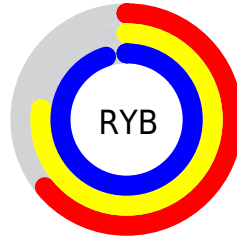
The Yxy color **63.9893, 0.2625, 0.2984** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.5232, 0.3790, 0.3575**, and the grayscale version is **60.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **32.6797, 0.2502, 0.2899** is the 20% darker color. If you saturate the color by 10%, you get **57.6326, 0.2479, 0.2872**, and if you desaturate by 10%, it is **71.0439, 0.2778, 0.3088**.

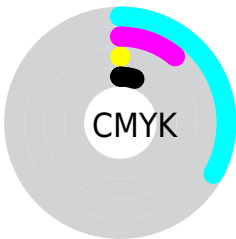
Distribution



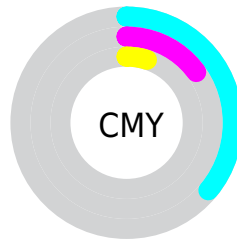
- Red (64%)
- Green (85%)
- Blue (95%)



- Red (64%)
- Yellow (77%)
- Blue (95%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9893, 0.2625, 0.2984 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 63.9893, 0.2625, 0.2984 by changing the saturation by 10% instead.

63.9893, 0.2625,
0.2984

63.9893, 0.2625,
0.2984

439.1510, 0.2858,
0.3131

46.6420, 0.2572,
0.2949

110.5955, 0.2706,
0.3036

32.7527, 0.2506,
0.2905

140.6232, 0.2737,
0.3056

21.9371, 0.2423,
0.2849

175.6466, 0.2765,
0.3073

13.8107, 0.2314,
0.2773

216.0499, 0.2788,
0.3088

7.9891, 0.2168,
0.2668

262.2176, 0.2809,
0.3101

4.0880, 0.1960,
0.2513

314.5341, 0.2827,

1.7229, 0.1647,

0.3112

0.2262

373.3838, 0.2844,
0.3122

0.4384, 0.0579,
0.1706

0.0000, 0.0000,
0.0000

63.9893, 0.2625,
0.2984

63.9893, 0.2625,
0.2984

57.6326, 0.2479,
0.2872

71.0439, 0.2778,
0.3088

51.9353, 0.2343,
0.2754

78.8176, 0.2933,
0.3183

46.8660, 0.2221,
0.2630

87.3397, 0.3088,
0.3270

42.3870, 0.2117,
0.2504

95.4503, 0.3201,
0.3348

■ 38.4551, 0.2033,
0.2377

■ 99.2498, 0.3197,
0.3405

■ 35.0187, 0.1969,
0.2251

■ 32.7155, 0.1933,
0.2159

Harmonies

Analogous

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



63.9893, 0.2662, 0.3197



63.9893, 0.2625, 0.2984



63.9893, 0.2715, 0.2864

Triad

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



63.9893, 0.2625, 0.2984



63.9893, 0.3437, 0.3130



63.9893, 0.3327, 0.3764

Complementary

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



63.9893, 0.2625, 0.2984



58.5232, 0.3790, 0.3575

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.



63.9893, 0.3547, 0.3722



63.9893, 0.2625, 0.2984



63.9893, 0.3615, 0.3351

Square

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



63.9893, 0.2625, 0.2984



63.9893, 0.3178, 0.2953



63.9893, 0.3655, 0.3566



63.9893, 0.3060, 0.3665

Rectangle

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



63.9893, 0.2625, 0.2984



63.9893, 0.2838, 0.2847



63.9893, 0.3655, 0.3566



63.9893, 0.3409, 0.3765

Sweetspot

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



63.9918, 0.2625, 0.2984



90.2506, 0.2972, 0.3206



75.6505, 0.2945, 0.3941



19.0387, 0.2950, 0.3193



0.0000, 0.0000, 0.0000



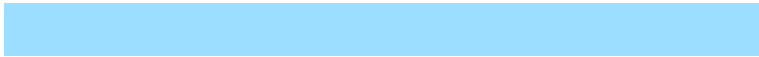
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9918, 0.2625, 0.2984



66.6579, 0.2528, 0.2911



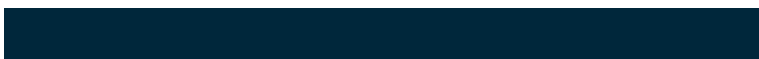
46.3764, 0.2566, 0.2506



17.7865, 0.2980, 0.3210



18.2155, 0.1938, 0.2178



1.7882, 0.1982, 0.2334

Inverse Universe

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



50.5977, 0.3383, 0.2728



50.1775, 0.3452, 0.2614



77.4881, 0.3662, 0.3967



16.6703, 0.3188, 0.3132



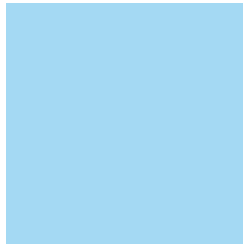
11.9382, 0.4256, 0.2118



1.0682, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 63.9893, 0.2625, 0.2984 looks on a white background.

Color Contrast Check

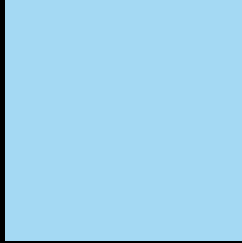
Large Text (above 18pt) WCAG AA × Fail

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 63.9893, 0.2625, 0.2984 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 63.9893, 0.2625, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 63.9893, 0.2625, 0.2984.



This preview shows how white text looks on a background with the Yxy color 63.9893, 0.2625, 0.2984.

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

63.9893, 0.2625, 0.2984

Protanopia

63.5774, 0.2905, 0.2955

Deuteranopia

63.6884, 0.2895, 0.2833



Tritanopia

63.8803, 0.2652, 0.3075

Trichromacy



Original Color

63.9893, 0.2625, 0.2984

Protanomaly

63.6393, 0.2793, 0.2970

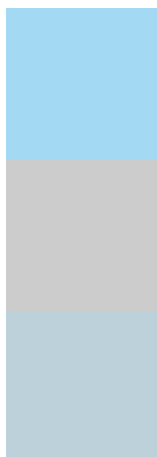
Deuteranomaly

63.6628, 0.2789, 0.2886

Tritanomaly

64.1613, 0.2642, 0.3040

Monochromacy



Original Color

63.9893, 0.2625, 0.2984

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4817, 0.2922, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9893, 0.2625, 0.2984 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(164, 217, 243)` looks like.

```
.text, #text, p{  
    color:rgb(164, 217, 243)  
}
```

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(164, 217, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 217, 243) }
```

Border

The CSS property to change the border of an element to Yxy 63.9893, 0.2625, 0.2984 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(164, 217, 243) }
```

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

```
.border{ border-color:rgb(164, 217, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 217, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 217, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 217, 243);  
box-shadow:4px 4px 4px 4px rgb(164, 217,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9893, 0.2625, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 217, 243) }
```

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

```
.background{ background-color: rgb(164,  
217, 243) }
```

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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