

Converting Colors

$Yxy(63.1615, 0.2558, 0.2977)$

Have a look what the booklet for
Yxy(63.1615, 0.2558, 0.2977)
contains.

Yxy(63.3499, 0.2556, 0.2979)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.3499, 0.2556, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	98DAF4
RGB	152, 218, 244
RGB Percent	60%, 85%, 96%
CMY	0.4038, 0.1451, 0.0431
CMYK	0.38, 0.11, 0.00, 0.04
HSL	197°, 81%, 78%
HSV	197°, 38%, 96%
XYZ	54.3546, 63.3499, 94.9504
YIQ	201.2300, -47.6820, -5.9060

Conversions

Conversions Part 2

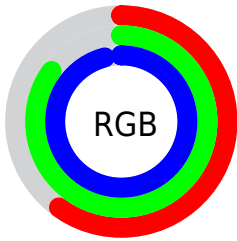
Format	Color
R _Y B	152, 190, 244
Decimal	10017524
CIE Lab	83.63, -14.40, -19.31
CIE LCh	84, 24.088, 233.279
Yxy	63.3499, 0.2556, 0.2979
Android (android.graphics.Color)	4288207604 (0xFF98DAF4)
YUV	201.2300, 21.0856, -43.1747
Hunter-Lab	79.5927, -17.3877, -15.0154

Details

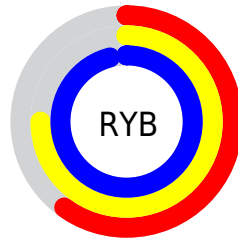
The Yxy color **63.3499, 0.2556, 0.2979** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3604, 0.3949, 0.3577**, and the grayscale version is **58.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **32.3120, 0.2417, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **57.7300, 0.2420, 0.2881**, and if you desaturate by 10%, it is **69.6080, 0.2702, 0.3071**.

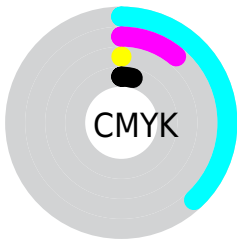
Distribution



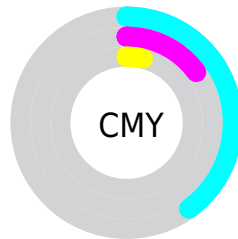
- Red (60%)
- Green (85%)
- Blue (96%)



- Red (60%)
- Yellow (75%)
- Blue (96%)



- Cyan (38%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)





- Cyan (40%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3499, 0.2556, 0.2979 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 63.3499, 0.2556, 0.2979 by changing the saturation by 10% instead.


 63.3499, 0.2556,
0.2979


 63.3499, 0.2556,
0.2979


436.8382, 0.2821,
0.3130

 46.1243, 0.2496,
0.2943


 109.6742, 0.2648,
0.3033

 32.3439, 0.2421,
0.2897


 139.5416, 0.2684,
0.3053

 21.6243, 0.2328,
0.2838


174.3919, 0.2714,
0.3071

 13.5811, 0.2206,
0.2759

214.6093, 0.2741,
0.3086

 7.8299, 0.2042,
0.2648

260.5782, 0.2765,
0.3099

 3.9863, 0.1812,
0.2483

312.6831, 0.2786,

 1.6659, 0.1471,

0.3111

0.2216

371.3083, 0.2804,
0.3121

0.4014, 0.0121,
0.1622

0.0000, 0.0000,
0.0000

63.3499, 0.2556,
0.2979

63.3499, 0.2556,
0.2979

57.7300, 0.2420,
0.2881

69.6080, 0.2702,
0.3071

52.7093, 0.2297,
0.2778

76.5260, 0.2854,
0.3157

48.2551, 0.2191,
0.2671

84.1334, 0.3008,
0.3235

44.3278, 0.2103,
0.2563

92.4556, 0.3163,
0.3306

■ 40.8813, 0.2036,
0.2456

■ 97.7243, 0.3193,
0.3372

■ 37.8540, 0.1989,
0.2350

■ 99.3117, 0.3191,
0.3396

■ 37.1930, 0.1979,
0.2325

Harmonies

Analogous

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



63.3499, 0.2624, 0.3235



63.3499, 0.2556, 0.2979



63.3499, 0.2631, 0.2823

Triad

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



63.3499, 0.2556, 0.2979



63.3499, 0.3429, 0.3066



63.3499, 0.3407, 0.3834

Complementary

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



63.3499, 0.2556, 0.2979



53.3604, 0.3949, 0.3577

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.



63.3499, 0.3639, 0.3754



63.3499, 0.2556, 0.2979



63.3499, 0.3656, 0.3308

Square

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



63.3499, 0.2556, 0.2979



63.3499, 0.3125, 0.2881



63.3499, 0.3733, 0.3558



63.3499, 0.3106, 0.3752

Rectangle

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



63.3499, 0.2556, 0.2979



63.3499, 0.2754, 0.2789



63.3499, 0.3733, 0.3558



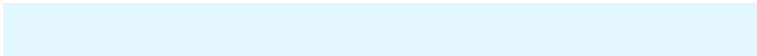
63.3499, 0.3496, 0.3824

Sweetspot

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



63.3524, 0.2556, 0.2979



90.1060, 0.2956, 0.3210



74.5382, 0.2944, 0.4125



19.0396, 0.2935, 0.3199



0.0000, 0.0000, 0.0000



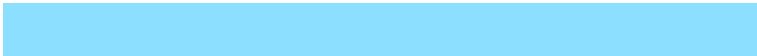
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3524, 0.2556, 0.2979



65.3532, 0.2454, 0.2907



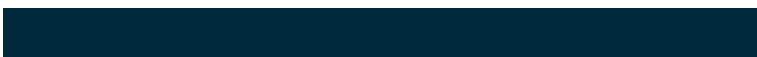
43.2899, 0.2473, 0.2415



17.9194, 0.2980, 0.3221



20.4670, 0.1984, 0.2342



1.9727, 0.2021, 0.2475

Inverse Universe

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



46.7650, 0.3398, 0.2597



45.3929, 0.3470, 0.2464



74.0334, 0.3771, 0.4031



16.6837, 0.3181, 0.3122



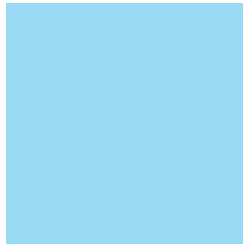
12.1655, 0.4082, 0.2023



1.0868, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 63.3499, 0.2556, 0.2979 looks on a white background.

Color Contrast Check

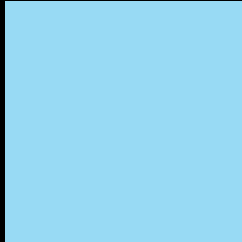
Large Text (above 18pt) WCAG AA × Fail

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 63.3499, 0.2556, 0.2979 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 63.3499, 0.2556, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 63.3499, 0.2556, 0.2979.



This preview shows how white text looks on a background with the Yxy color 63.3499, 0.2556, 0.2979.

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

63.3499, 0.2556, 0.2979

Protanopia

62.8953, 0.2904, 0.2953

Deuteranopia

62.8372, 0.2868, 0.2809



Tritanopia

63.2615, 0.2582, 0.3071

Trichromacy



Original Color

63.3499, 0.2556, 0.2979

Protanomaly

62.5155, 0.2760, 0.2955

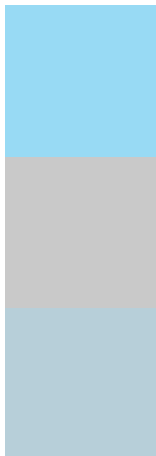
Deuteranomaly

62.4569, 0.2743, 0.2859

Tritanomaly

63.5336, 0.2573, 0.3037

Monochromacy



Original Color

63.3499, 0.2556, 0.2979

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.7027, 0.2886, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3499, 0.2556, 0.2979 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(152, 218, 244)` looks like.

```
.text, #text, p{  
    color:rgb(152, 218, 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(152, 218, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 218, 244) }
```

Border

The CSS property to change the border of an element to Yxy 63.3499, 0.2556, 0.2979 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(152, 218, 244) }
```

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

```
.border{ border-color:rgb(152, 218, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 218, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 218, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 218, 244);  
box-shadow:4px 4px 4px 4px rgb(152, 218,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3499, 0.2556, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 218, 244) }
```

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

```
.background{ background-color: rgb(152,  
218, 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