

Converting Colors

$Yxy(63.5571, 0.2621, 0.3127)$

Have a look what the booklet for
Yxy(63.5571, 0.2621, 0.3127)
contains.

Yxy(63.3185, 0.2619, 0.3119)	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(63.3185, 0.2619, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	99DBE9
RGB	153, 219, 233
RGB Percent	60%, 86%, 91%
CMY	0.4003, 0.1411, 0.0862
CMYK	0.34, 0.06, 0.00, 0.09
HSL	190°, 65%, 76%
HSV	190°, 34%, 91%
XYZ	53.1681, 63.3185, 86.5224
YIQ	200.8620, -43.8300, -9.6380

Conversions

Conversions Part 2

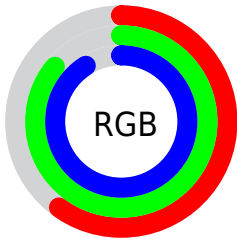
Format	Color
RYB	153, 189, 233
Decimal	10083305
CIELab	83.61, -17.37, -13.51
CIELCh	84, 22.007, 217.862
Yxy	63.3185, 0.2619, 0.3119
Android (android.graphics.Color)	4288273385 (0xFF99DBE9)
YUV	200.8620, 15.8440, -41.9750
Hunter-Lab	79.5729, -19.9847, -8.7670

Details

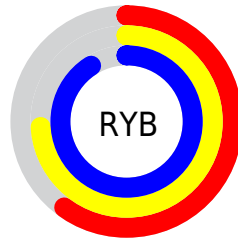
The Yxy color **63.3185, 0.2619, 0.3119** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2372, 0.3885, 0.3452**, and the grayscale version is **58.2323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **32.3219, 0.2499, 0.3078** is the 20% darker color. If you saturate the color by 10%, you get **59.1719, 0.2491, 0.3061**, and if you desaturate by 10%, it is **67.9647, 0.2759, 0.3174**.

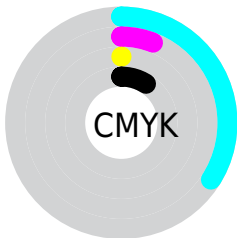
Distribution



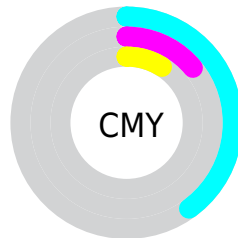
- Red (60%)
- Green (86%)
- Blue (91%)



- Red (60%)
- Yellow (74%)
- Blue (91%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (40%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3185, 0.2619, 0.3119 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 63.3185, 0.2619, 0.3119 by changing the saturation by 10% instead.


 63.3185, 0.2619,
0.3119

 63.3185, 0.2619,
0.3119


436.7245, 0.2856,
0.3205

 46.0989, 0.2565,
0.3098


 109.6289, 0.2701,
0.3150

 32.3239, 0.2498,
0.3071


 139.4885, 0.2733,
0.3162

 21.6090, 0.2413,
0.3036


174.3302, 0.2761,
0.3171

 13.5699, 0.2301,
0.2987

214.5384, 0.2785,
0.3180

 7.8221, 0.2151,
0.2918

260.4976, 0.2806,
0.3187

 3.9813, 0.1935,
0.2809

312.5920, 0.2824,

 1.6631, 0.1606,

0.3194

0.2621

371.2062, 0.2841,
0.3199

0.3996, 0.0000,
0.2170

0.0000, 0.0000,
0.0000

63.3185, 0.2619,
0.3119

63.3185, 0.2619,
0.3119

59.1719, 0.2491,
0.3061

67.9647, 0.2759,
0.3174

55.4913, 0.2377,
0.3000

73.1273, 0.2907,
0.3224

52.2501, 0.2280,
0.2938

78.8311, 0.3060,
0.3271

49.4159, 0.2202,
0.2875

85.0973, 0.3215,
0.3313

■ 46.9509, 0.2143,
0.2811

■ 89.1033, 0.3271,
0.3353

■ 44.8092, 0.2103,
0.2748

■ 91.5209, 0.3267,
0.3392

■ 43.7056, 0.2087,
0.2713

■ 93.9926, 0.3263,
0.3432

■ 96.5188, 0.3259,
0.3470

■ 98.6642, 0.3256,
0.3503

Harmonies

Analogous

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



63.3185, 0.2746, 0.3378



63.3185, 0.2619, 0.3119



63.3185, 0.2621, 0.2923

Triad

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



63.3185, 0.2619, 0.3119



63.3185, 0.3264, 0.2988



63.3185, 0.3505, 0.3766

Complementary

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



63.3185, 0.2619, 0.3119



47.2372, 0.3885, 0.3452

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.



63.3185, 0.3658, 0.3634



63.3185, 0.2619, 0.3119



63.3185, 0.3517, 0.3189

Square

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



63.3185, 0.2619, 0.3119



63.3185, 0.2983, 0.2860



63.3185, 0.3664, 0.3422



63.3185, 0.3254, 0.3768

Rectangle

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



63.3185, 0.2619, 0.3119



63.3185, 0.2694, 0.2851



63.3185, 0.3664, 0.3422



63.3185, 0.3570, 0.3734

Sweetspot

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



63.3210, 0.2619, 0.3119



92.6687, 0.2972, 0.3245



67.8169, 0.3004, 0.4143



19.6262, 0.2951, 0.3238



0.0000, 0.0000, 0.0000



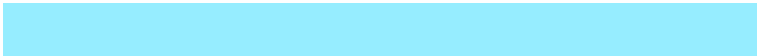
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3210, 0.2619, 0.3119



74.1537, 0.2530, 0.3080



45.1417, 0.2552, 0.2614



16.6477, 0.2981, 0.3248



24.9586, 0.2090, 0.2723



2.0775, 0.2114, 0.2810

Inverse Universe

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



45.2018, 0.3289, 0.2573



49.3147, 0.3329, 0.2434



63.9221, 0.3736, 0.3883



15.2659, 0.3165, 0.3098



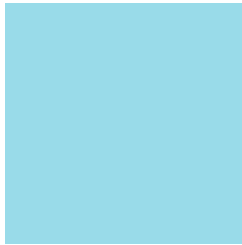
12.0124, 0.3707, 0.1816



0.9551, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 63.3185, 0.2619, 0.3119 looks on a white background.

Color Contrast Check

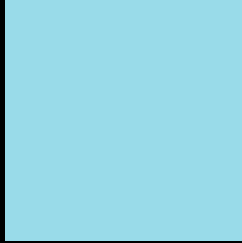
Large Text (above 18pt) WCAG AA × Fail

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 63.3185, 0.2619, 0.3119 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 63.3185, 0.2619, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 63.3185, 0.2619, 0.3119.



This preview shows how white text looks on a background with the Yxy color 63.3185, 0.2619, 0.3119.

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

63.3185, 0.2619, 0.3119

Protanopia

62.7007, 0.2997, 0.3075

Deuteranopia

62.6516, 0.2975, 0.2906



Tritanopia

63.5892, 0.2609, 0.3084

Trichromacy



Original Color

63.3185, 0.2619, 0.3119

Protanomaly

62.7548, 0.2847, 0.3091

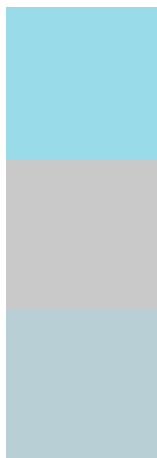
Deuteranomaly

62.3743, 0.2829, 0.2969

Tritanomaly

63.5312, 0.2614, 0.3096

Monochromacy



Original Color

63.3185, 0.2619, 0.3119

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.1062, 0.2919, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3185, 0.2619, 0.3119 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(153, 219, 233)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 233)  
}
```

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(153, 219, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 233) }
```

Border

The CSS property to change the border of an element to Yxy 63.3185, 0.2619, 0.3119 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(153, 219, 233) }
```

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

```
.border{ border-color:rgb(153, 219, 233) }
```

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

Here you see how a box with a 4 pixel rgb(153, 219, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 233);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3185, 0.2619, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 219, 233) }
```

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

```
.background{ background-color: rgb(153,  
219, 233) }
```

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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