

Converting Colors

$Yxy(63.1986, 0.2628, 0.3137)$

Have a look what the booklet for
Yxy(63.1986, 0.2628, 0.3137)
contains.

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Color

Yxy(63.2049, 0.2630, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	99DBE7
RGB	153, 219, 231
RGB Percent	60%, 86%, 91%
CMY	0.4000, 0.1411, 0.0942
CMYK	0.34, 0.05, 0.00, 0.09
HSL	189°, 62%, 75%
HSV	189°, 34%, 91%
XYZ	52.8886, 63.2049, 85.0039
YIQ	200.6340, -43.1880, -10.2600

Conversions

Conversions Part 2

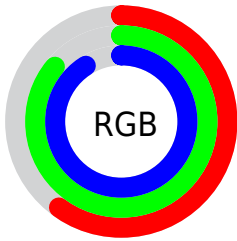
Format	Color
RYB	153, 189, 231
Decimal	10083303
CIELab	83.55, -17.84, -12.52
CIELCh	84, 21.795, 215.060
Yxy	63.2049, 0.2630, 0.3143
Android (android.graphics.Color)	4288273383 (0xFF99DBE7)
YUV	200.6340, 14.9704, -41.7750
Hunter-Lab	79.5015, -20.3800, -7.7424

Details

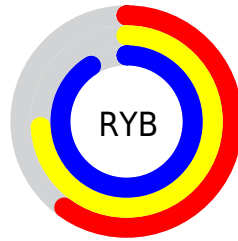
The Yxy color **63.2049, 0.2630, 0.3143** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1854, 0.3873, 0.3430**, and the grayscale version is **58.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **32.2427, 0.2512, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **59.3417, 0.2503, 0.3093**, and if you desaturate by 10%, it is **67.5476, 0.2769, 0.3191**.

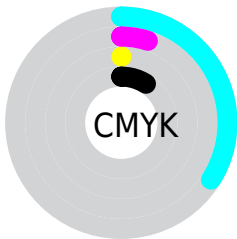
Distribution



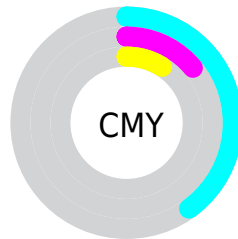
- Red (60%)
- Green (86%)
- Blue (91%)



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



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2049, 0.2630, 0.3143 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 63.2049, 0.2630, 0.3143 by changing the saturation by 10% instead.


 63.2049, 0.2630,
0.3143


 63.2049, 0.2630,
0.3143


436.3127, 0.2862,
0.3217

 46.0070, 0.2577,
0.3125


 109.4651, 0.2711,
0.3170

 32.2513, 0.2511,
0.3101


 139.2961, 0.2742,
0.3180

 21.5535, 0.2427,
0.3070


174.1070, 0.2769,
0.3189

 13.5292, 0.2318,
0.3027

214.2821, 0.2792,
0.3196

 7.7940, 0.2169,
0.2965

260.2058, 0.2813,
0.3202

 3.9634, 0.1956,
0.2867

312.2626, 0.2831,

 1.6531, 0.1629,

0.3208

0.2696

370.8368, 0.2847,
0.3213

0.3930, 0.0000,
0.2262

0.0000, 0.0000,
0.0000

63.2049, 0.2630,
0.3143

63.2049, 0.2630,
0.3143

59.3417, 0.2503,
0.3093

67.5476, 0.2769,
0.3191

55.9251, 0.2391,
0.3040

72.3856, 0.2916,
0.3235

52.9295, 0.2295,
0.2985

77.7434, 0.3069,
0.3276

50.3234, 0.2219,
0.2930

83.6412, 0.3224,
0.3313

■ 48.0704, 0.2162,
0.2875

■ 87.4509, 0.3287,
0.3347

■ 46.1265, 0.2124,
0.2821

■ 89.5228, 0.3283,
0.3382

■ 45.0284, 0.2108,
0.2787

■ 91.6356, 0.3279,
0.3416

■ 93.7894, 0.3276,
0.3450

■ 95.9846, 0.3272,
0.3484

Harmonies

Analogous

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



63.2049, 0.2767, 0.3402



63.2049, 0.2630, 0.3143



63.2049, 0.2619, 0.2941

Triad

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



63.2049, 0.2630, 0.3143



63.2049, 0.3237, 0.2975



63.2049, 0.3521, 0.3754

Complementary

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



63.2049, 0.2630, 0.3143



46.1854, 0.3873, 0.3430

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.



63.2049, 0.3660, 0.3614



63.2049, 0.2630, 0.3143



63.2049, 0.3494, 0.3170

Square

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



63.2049, 0.2630, 0.3143



63.2049, 0.2960, 0.2856



63.2049, 0.3651, 0.3400



63.2049, 0.3278, 0.3769

Rectangle

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



63.2049, 0.2630, 0.3143



63.2049, 0.2684, 0.2862



63.2049, 0.3651, 0.3400



63.2049, 0.3582, 0.3719

Sweetspot

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



63.2074, 0.2630, 0.3143



93.0069, 0.2972, 0.3251



66.6218, 0.3013, 0.4142



19.7085, 0.2951, 0.3245



0.0000, 0.0000, 0.0000



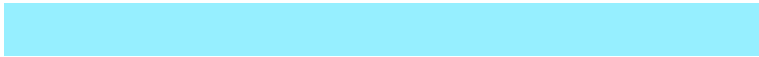
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2074, 0.2630, 0.3143



75.4459, 0.2534, 0.3106



45.2991, 0.2566, 0.2645



15.9394, 0.2981, 0.3253



25.3948, 0.2110, 0.2796



1.9789, 0.2132, 0.2875

Inverse Universe

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



44.8805, 0.3270, 0.2569



49.4452, 0.3310, 0.2414



62.3242, 0.3728, 0.3858



14.5752, 0.3161, 0.3093



11.7613, 0.3639, 0.1778



0.8795, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 63.2049, 0.2630, 0.3143 looks on a white background.

Color Contrast Check

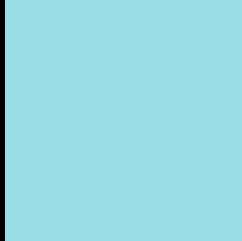
Large Text (above 18pt) WCAG AA × Fail

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 63.2049, 0.2630, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

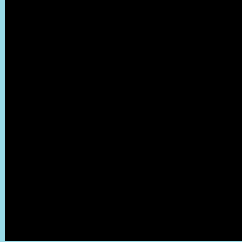
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2049, 0.2630, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 63.2049, 0.2630, 0.3143.

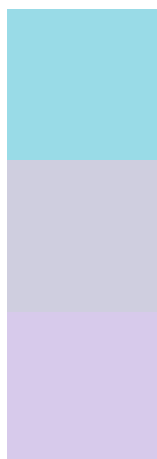


This preview shows how white text looks on a background with the Yxy color 63.2049, 0.2630, 0.3143.

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

63.2049, 0.2630, 0.3143

Protanopia

62.7357, 0.3018, 0.3097

Deuteranopia

62.6863, 0.2995, 0.2927



Tritanopia

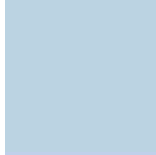
63.0690, 0.2608, 0.3072

Trichromacy



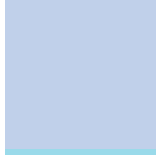
Original Color

63.2049, 0.2630, 0.3143



Protanomaly

62.6443, 0.2859, 0.3114



Deuteranomaly

62.2587, 0.2842, 0.2991



Tritanomaly

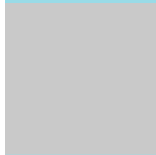
62.9533, 0.2618, 0.3095

Monochromacy



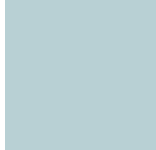
Original Color

63.2049, 0.2630, 0.3143



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.0556, 0.2926, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2049, 0.2630, 0.3143 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(153, 219, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 219, 231) }
```

Border

The CSS property to change the border of an element to Yxy 63.2049, 0.2630, 0.3143 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, 231) }
```

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

```
.border{ border-color:rgb(153, 219, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 219, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 219, 231);  
box-shadow:4px 4px 4px 4px rgb(153, 219,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2049, 0.2630, 0.3143 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, 231) }
```

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

```
.background{ background-color: rgb(153,  
219, 231) }
```

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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