

Converting Colors

$Y_{xy}(62.6172, 0.2628, 0.3129)$

Have a look what the booklet for
Yxy(62.6172, 0.2628, 0.3129)
contains.

Yxy(62.6846, 0.2628, 0.3130)	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(62.6846, 0.2628, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	99DAE7
RGB	153, 218, 231
RGB Percent	60%, 85%, 91%
CMY	0.4001, 0.1451, 0.0940
CMYK	0.34, 0.06, 0.00, 0.09
HSL	190°, 62%, 75%
HSV	190°, 34%, 91%
XYZ	52.6310, 62.6846, 84.9547
YIQ	200.0470, -42.9130, -9.7370

Conversions

Conversions Part 2

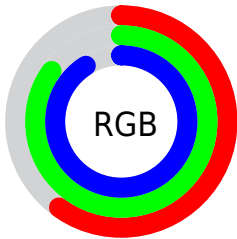
Format	Color
R _{YB}	153, 188, 231
Decimal	10083047
CIE _{Lab}	83.28, -17.33, -12.96
CIE _{LCh}	83, 21.636, 216.785
Yxy	62.6846, 0.2628, 0.3130
Android (android.graphics.Color)	4288273127 (0xFF99DAE7)
YUV	200.0470, 15.2598, -41.2602
Hunter-Lab	79.1736, -19.8951, -8.1977

Details

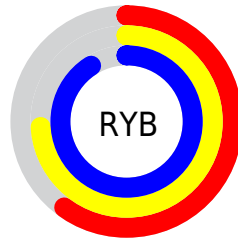
The Yxy color **62.6846, 0.2628, 0.3130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5659, 0.3870, 0.3443**, and the grayscale version is **57.7115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **31.8862, 0.2509, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **58.6759, 0.2500, 0.3075**, and if you desaturate by 10%, it is **67.1800, 0.2768, 0.3182**.

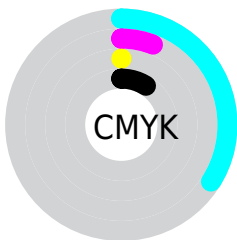
Distribution



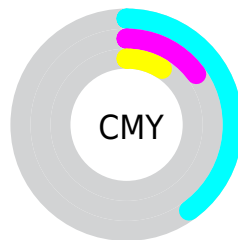
- Red (60%)
- Green (85%)
- Blue (91%)



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



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




- Cyan (40%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6846, 0.2628, 0.3130 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 62.6846, 0.2628, 0.3130 by changing the saturation by 10% instead.


 62.6846, 0.2628,
0.3130

 62.6846, 0.2628,
0.3130


434.4239, 0.2861,
0.3210

 45.5861, 0.2574,
0.3110


 108.7144, 0.2709,
0.3159

 31.9193, 0.2508,
0.3085


 138.4144, 0.2741,
0.3170

 21.2999, 0.2424,
0.3051


173.0838, 0.2768,
0.3179

 13.3434, 0.2314,
0.3005

213.1068, 0.2791,
0.3187

 7.6654, 0.2164,
0.2938

258.8680, 0.2812,
0.3194

 3.8816, 0.1948,
0.2834

310.7516, 0.2830,

 1.6076, 0.1618,

0.3200

0.2652

369.1421, 0.2846,
0.3206

0.3627, 0.0000,
0.2128

0.0000, 0.0000,
0.0000

62.6846, 0.2628,
0.3130

62.6846, 0.2628,
0.3130

58.6759, 0.2500,
0.3075

67.1800, 0.2768,
0.3182

55.1209, 0.2386,
0.3017

72.1782, 0.2916,
0.3230

51.9940, 0.2289,
0.2958

77.7035, 0.3068,
0.3274

49.2636, 0.2211,
0.2898

83.7763, 0.3224,
0.3314

■ 46.8933, 0.2152,
0.2837

■ 87.7681, 0.3286,
0.3352

■ 44.8387, 0.2112,
0.2778

■ 90.0291, 0.3282,
0.3390

■ 43.6792, 0.2095,
0.2741

■ 92.3384, 0.3278,
0.3427

■ 94.6963, 0.3274,
0.3464

■ 97.1032, 0.3270,
0.3500

Harmonies

Analogous

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



62.6846, 0.2758, 0.3387



62.6846, 0.2628, 0.3130



62.6846, 0.2625, 0.2934

Triad

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



62.6846, 0.2628, 0.3130



62.6846, 0.3252, 0.2986



62.6846, 0.3507, 0.3757

Complementary

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



62.6846, 0.2628, 0.3130



46.5659, 0.3870, 0.3443

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.



62.6846, 0.3654, 0.3623



62.6846, 0.2628, 0.3130



62.6846, 0.3504, 0.3183

Square

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



62.6846, 0.2628, 0.3130



62.6846, 0.2975, 0.2862



62.6846, 0.3654, 0.3412



62.6846, 0.3262, 0.3763

Rectangle

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



62.6846, 0.2628, 0.3130



62.6846, 0.2694, 0.2859



62.6846, 0.3654, 0.3412



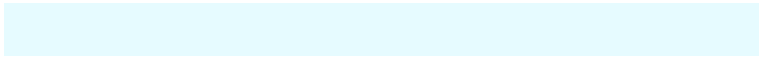
62.6846, 0.3570, 0.3724

Sweetspot

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



62.6871, 0.2628, 0.3130



92.7946, 0.2972, 0.3247



66.6951, 0.3006, 0.4125



19.6568, 0.2951, 0.3241



0.0000, 0.0000, 0.0000



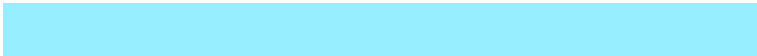
21.4041, 0.3127, 0.3290

Same Dimension

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



62.6871, 0.2628, 0.3130



74.6331, 0.2531, 0.3089



44.7770, 0.2563, 0.2627



15.9053, 0.2981, 0.3250



24.6359, 0.2097, 0.2750



1.9297, 0.2122, 0.2837

Inverse Universe

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



44.8290, 0.3280, 0.2579



49.3631, 0.3322, 0.2426



62.9639, 0.3724, 0.3872



14.5717, 0.3163, 0.3096



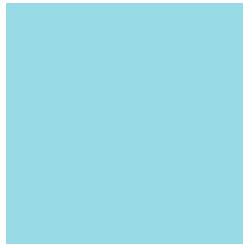
11.6847, 0.3681, 0.1801



0.8745, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 62.6846, 0.2628, 0.3130 looks on a white background.

Color Contrast Check

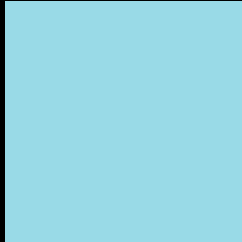
Large Text (above 18pt) WCAG AA × Fail

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 62.6846, 0.2628, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

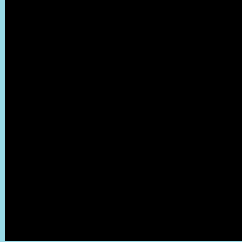
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6846, 0.2628, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 62.6846, 0.2628, 0.3130.

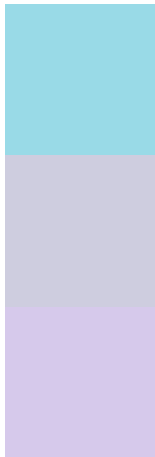


This preview shows how white text looks on a background with the Yxy color 62.6846, 0.2628, 0.3130.

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

62.6846, 0.2628, 0.3130

Protanopia

62.1122, 0.3010, 0.3085

Deuteranopia

62.0676, 0.2988, 0.2915



Tritanopia

62.4939, 0.2611, 0.3071

Trichromacy



Original Color

62.6846, 0.2628, 0.3130

Protanomaly

62.1490, 0.2858, 0.3102

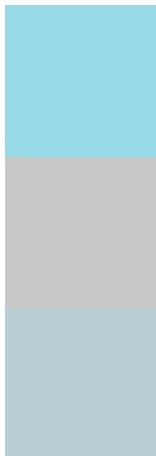
Deuteranomaly

61.7726, 0.2841, 0.2979

Tritanomaly

62.4362, 0.2616, 0.3083

Monochromacy



Original Color

62.6846, 0.2628, 0.3130

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.3961, 0.2925, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6846, 0.2628, 0.3130 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, 218, 231)` looks like.

```
.text, #text, p{  
    color:rgb(153, 218, 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, 218, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 218, 231) }
```

Border

The CSS property to change the border of an element to Yxy 62.6846, 0.2628, 0.3130 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, 218, 231) }
```

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

```
.border{ border-color:rgb(153, 218, 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, 218, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 218, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 218, 231);  
box-shadow:4px 4px 4px 4px rgb(153, 218,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6846, 0.2628, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 218, 231) }
```

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

```
.background{ background-color: rgb(153,  
218, 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](#).

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