

Converting Colors

$Yxy(62.7125, 0.2666, 0.3021)$

Have a look what the booklet for
Yxy(62.7125, 0.2666, 0.3021)
contains.

Yxy(62.8223, 0.2666, 0.3028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8223, 0.2666, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	A6D7ED
RGB	166, 215, 237
RGB Percent	65%, 84%, 93%
CMY	0.3490, 0.1568, 0.0706
CMYK	0.30, 0.09, 0.00, 0.07
HSL	199°, 66%, 79%
HSV	199°, 30%, 93%
XYZ	55.3118, 62.8223, 89.3371
YIQ	202.8570, -36.2660, -3.5460

Conversions

Conversions Part 2

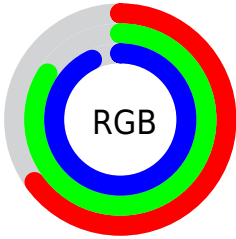
Format	Color
R_{YB}	166, 195, 237
Decimal	10934253
CIE _{Lab}	83.35, -10.79, -15.94
CIE _{LCh}	83, 19.249, 235.924
Yxy	62.8223, 0.2666, 0.3028
Android (android.graphics.Color)	4289124333 (0xFFA6D7ED)
YUV	202.8570, 16.8325, -32.3236
Hunter-Lab	79.2605, -14.1399, -11.3453

Details

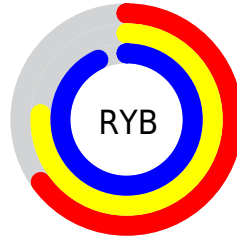
The Yxy color **62.8223, 0.2666, 0.3028** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.7245, 0.3728, 0.3537**, and the grayscale version is **59.5369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **31.9226, 0.2556, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **56.8386, 0.2520, 0.2925**, and if you desaturate by 10%, it is **69.4509, 0.2818, 0.3124**.

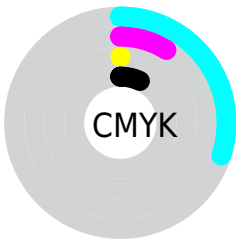
Distribution



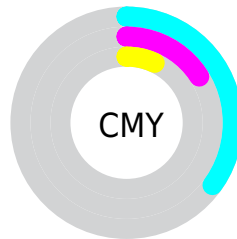
- Red (65%)
- Green (84%)
- Blue (93%)



- Red (65%)
- Yellow (76%)
- Blue (93%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)




- Cyan (35%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8223, 0.2666, 0.3028 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 62.8223, 0.2666, 0.3028 by changing the saturation by 10% instead.

 62.8223, 0.2666,
0.3028

 62.8223, 0.2666,
0.3028


434.9243, 0.2881,
0.3155

 45.6975, 0.2616,
0.2998


 108.9131, 0.2741,
0.3073

 32.0072, 0.2555,
0.2959


 138.6479, 0.2770,
0.3090

 21.3670, 0.2477,
0.2910


173.3547, 0.2795,
0.3105

 13.3925, 0.2375,
0.2844

213.4181, 0.2817,
0.3118

 7.6994, 0.2236,
0.2750

259.2223, 0.2836,
0.3129

 3.9032, 0.2037,
0.2610

311.1518, 0.2853,

 1.6196, 0.1731,

0.3139

0.2379

369.5910, 0.2868,
0.3147

0.3707, 0.0426,
0.1773

0.0000, 0.0000,
0.0000

62.8223, 0.2666,
0.3028

62.8223, 0.2666,
0.3028

56.8386, 0.2520,
0.2925

69.4509, 0.2818,
0.3124

51.4641, 0.2383,
0.2815

76.7429, 0.2973,
0.3211

46.6706, 0.2260,
0.2701

84.7254, 0.3128,
0.3290

42.4241, 0.2154,
0.2583

92.3051, 0.3241,
0.3362

■ 38.6861, 0.2067,
0.2464

■ 96.8221, 0.3235,
0.3432

■ 35.4110, 0.2001,
0.2345

■ 98.8949, 0.3232,
0.3464

■ 32.5234, 0.1953,
0.2229

■ 32.5131, 0.1952,
0.2228

Harmonies

Analogous

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



62.8223, 0.2712, 0.3229



62.8223, 0.2666, 0.3028



62.8223, 0.2737, 0.2908

Triad

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



62.8223, 0.2666, 0.3028



62.8223, 0.3389, 0.3126



62.8223, 0.3333, 0.3722

Complementary

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



62.8223, 0.2666, 0.3028



56.7245, 0.3728, 0.3537

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.



62.8223, 0.3526, 0.3674



62.8223, 0.2666, 0.3028



62.8223, 0.3560, 0.3326

Square

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



62.8223, 0.2666, 0.3028



62.8223, 0.3149, 0.2969



62.8223, 0.3611, 0.3526



62.8223, 0.3091, 0.3644

Rectangle

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



62.8223, 0.2666, 0.3028



62.8223, 0.2844, 0.2884



62.8223, 0.3611, 0.3526



62.8223, 0.3406, 0.3720

Sweetspot

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



62.8248, 0.2666, 0.3028



91.4508, 0.2987, 0.3219



72.2805, 0.2965, 0.3896



19.2919, 0.2965, 0.3207



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.



62.8248, 0.2666, 0.3028



69.7233, 0.2575, 0.2965



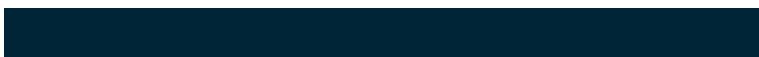
46.9434, 0.2617, 0.2593



16.2886, 0.2981, 0.3215



17.9934, 0.1958, 0.2248



1.5826, 0.2003, 0.2409

Inverse Universe

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



50.1829, 0.3346, 0.2761



53.0470, 0.3405, 0.2649



73.4307, 0.3620, 0.3901



15.2297, 0.3185, 0.3129



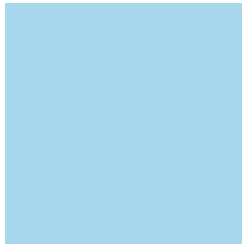
11.3093, 0.4182, 0.2077



0.9052, 0.4014, 0.1985

Previews

White Background



This preview shows how the Yxy color 62.8223, 0.2666, 0.3028 looks on a white background.

Color Contrast Check

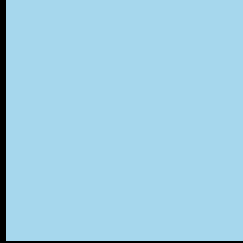
Large Text (above 18pt) WCAG AA × Fail

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 62.8223, 0.2666, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

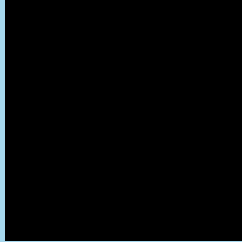
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8223, 0.2666, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 62.8223, 0.2666, 0.3028.

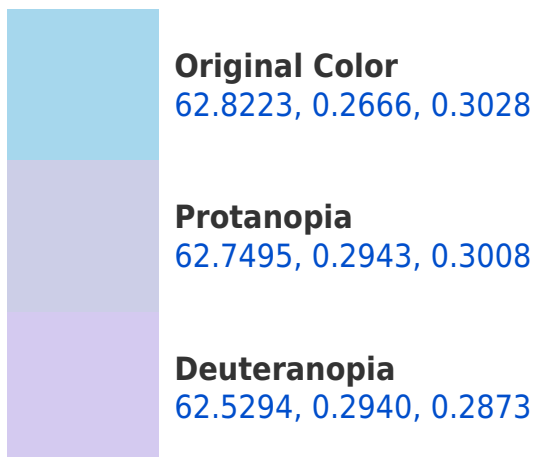


This preview shows how white text looks on a background with the Yxy color 62.8223, 0.2666, 0.3028.

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





Tritanopia

62.9943, 0.2684, 0.3086

Trichromacy



Original Color

62.8223, 0.2666, 0.3028

Protanomaly

62.4313, 0.2835, 0.3013

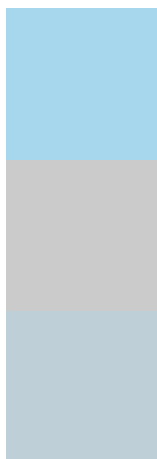
Deuteranomaly

62.4597, 0.2830, 0.2927

Tritanomaly

63.0516, 0.2678, 0.3074

Monochromacy



Original Color

62.8223, 0.2666, 0.3028

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.4791, 0.2948, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8223, 0.2666, 0.3028 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(166, 215, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 215, 237)  
}
```

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(166, 215, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 215, 237) }
```

Border

The CSS property to change the border of an element to Yxy 62.8223, 0.2666, 0.3028 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(166, 215, 237) }
```

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

```
.border{ border-color:rgb(166, 215, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 215, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 215, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 215, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 215,  
237) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 62.8223, 0.2666, 0.3028$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 215, 237) }
```

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

```
.background{ background-color: rgb(166,  
215, 237) }
```

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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