

Converting Colors

$Yxy(62.6197, 0.2788, 0.3137)$

Have a look what the booklet for
Yxy(62.6197, 0.2788, 0.3137)
contains.

Yxy(62.8142, 0.2789, 0.3146)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.8142, 0.2789, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	B0D6E2
RGB	176, 214, 226
RGB Percent	69%, 84%, 89%
CMY	0.3097, 0.1608, 0.1136
CMYK	0.22, 0.05, 0.00, 0.11
HSL	194°, 46%, 79%
HSV	194°, 22%, 89%
XYZ	55.6862, 62.8142, 81.1633
YIQ	204.0060, -26.5000, -4.3240

Conversions

Conversions Part 2

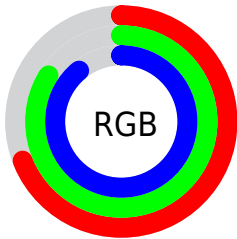
Format	Color
RYB	176, 198, 226
Decimal	11589346
CIELab	83.34, -9.83, -10.06
CIELCh	83, 14.061, 225.664
Yxy	62.8142, 0.2789, 0.3146
Android (android.graphics.Color)	4289779426 (0xFFB0D6E2)
YUV	204.0060, 10.8430, -24.5613
Hunter-Lab	79.2554, -13.2798, -5.2385

Details

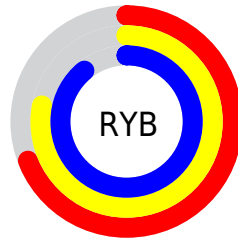
The Yxy color **62.8142, 0.2789, 0.3146** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.3042, 0.3548, 0.3429**, and the grayscale version is **60.3356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **31.8741, 0.2700, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **57.6887, 0.2643, 0.3071**, and if you desaturate by 10%, it is **68.4755, 0.2941, 0.3215**.

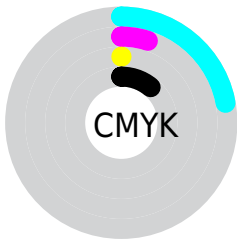
Distribution



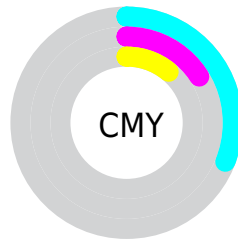
- Red (69%)
- Green (84%)
- Blue (89%)



- Red (69%)
- Yellow (78%)
- Blue (89%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8142, 0.2789, 0.3146 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 62.8142, 0.2789, 0.3146 by changing the saturation by 10% instead.

■ 62.8142, 0.2789,
0.3146

■ 62.8142, 0.2789,
0.3146

434.8949, 0.2948,
0.3216

■ 45.6909, 0.2752,
0.3129

■ 108.9014, 0.2845,
0.3171

■ 32.0020, 0.2706,
0.3108

138.6341, 0.2866,
0.3181

■ 21.3630, 0.2648,
0.3080

173.3388, 0.2885,
0.3189

■ 13.3896, 0.2571,
0.3042

213.3998, 0.2901,
0.3196

■ 7.6974, 0.2464,
0.2988

259.2015, 0.2915,
0.3202

■ 3.9019, 0.2308,
0.2904

311.1283, 0.2927,

■ 1.6189, 0.2059,

0.3207

0.2761

369.5646, 0.2938,
0.3212

■ 0.3703, 0.0702,
0.2320

■ 0.0000, 0.0000,
0.0000

■ 62.8142, 0.2789,
0.3146

■ 62.8142, 0.2789,
0.3146

■ 57.6887, 0.2643,
0.3071

■ 68.4755, 0.2941,
0.3215

■ 53.0689, 0.2506,
0.2992

■ 74.6860, 0.3094,
0.3278

■ 48.9326, 0.2380,
0.2907

■ 81.4681, 0.3248,
0.3334

■ 45.2533, 0.2270,
0.2820

■ 86.6056, 0.3320,
0.3387

■ 42.0010, 0.2178,
0.2730

■ 89.7826, 0.3313,
0.3440

■ 39.1413, 0.2106,
0.2640

■ 93.0559, 0.3307,
0.3492

■ 36.6334, 0.2053,
0.2551

■ 96.4263, 0.3301,
0.3544

■ 34.8534, 0.2023,
0.2481

■ 98.2728, 0.3297,
0.3571

Harmonies

Analogous

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



62.8142, 0.2852, 0.3305



62.8142, 0.2789, 0.3146



62.8142, 0.2813, 0.3033

Triad

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



62.8142, 0.2789, 0.3146



62.8142, 0.3262, 0.3124



62.8142, 0.3334, 0.3602

Complementary

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



62.8142, 0.2789, 0.3146



55.3042, 0.3548, 0.3429

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.



62.8142, 0.3450, 0.3542



62.8142, 0.2789, 0.3146



62.8142, 0.3408, 0.3266

Square

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



62.8142, 0.2789, 0.3146



62.8142, 0.3082, 0.3025



62.8142, 0.3478, 0.3418



62.8142, 0.3164, 0.3575

Rectangle

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



62.8142, 0.2789, 0.3146



62.8142, 0.2875, 0.2996



62.8142, 0.3478, 0.3418



62.8142, 0.3380, 0.3591

Sweetspot

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



62.8168, 0.2789, 0.3146



94.0593, 0.3019, 0.3247



67.2615, 0.3026, 0.3759



20.0266, 0.3009, 0.3244



0.0000, 0.0000, 0.0000



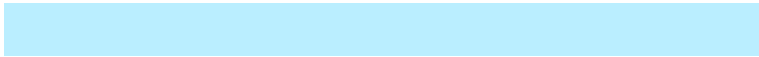
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8168, 0.2789, 0.3146



79.0752, 0.2714, 0.3109



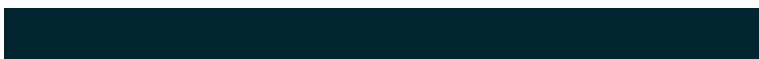
51.2775, 0.2767, 0.2842



14.9839, 0.2982, 0.3232



20.0707, 0.2027, 0.2495



1.5270, 0.2065, 0.2632

Inverse Universe

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



52.0904, 0.3250, 0.2867



62.6392, 0.3284, 0.2767



66.7464, 0.3490, 0.3701



13.8763, 0.3174, 0.3114



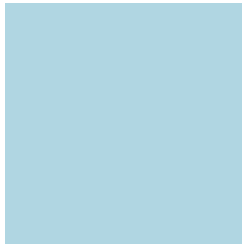
10.9342, 0.3927, 0.1937



0.7716, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 62.8142, 0.2789, 0.3146 looks on a white background.

Color Contrast Check

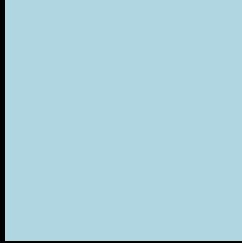
Large Text (above 18pt) WCAG AA × Fail

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 62.8142, 0.2789, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

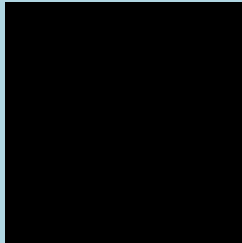
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

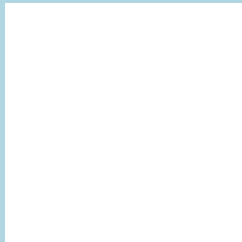
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8142, 0.2789, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 62.8142, 0.2789, 0.3146.

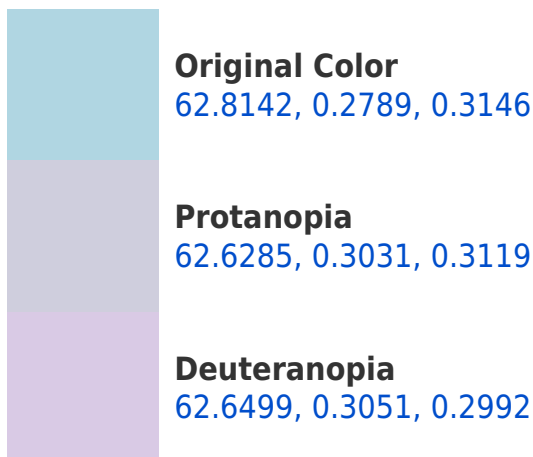


This preview shows how white text looks on a background with the Yxy color 62.8142, 0.2789, 0.3146.

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

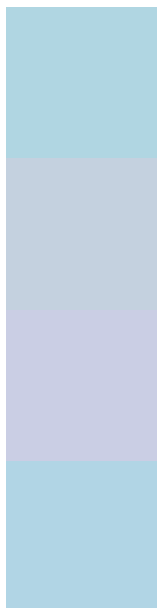




Tritanopia

62.6488, 0.2771, 0.3088

Trichromacy



Original Color

62.8142, 0.2789, 0.3146

Protanomaly

62.6644, 0.2939, 0.3128

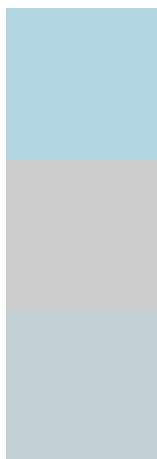
Deuteranomaly

62.3006, 0.2948, 0.3039

Tritanomaly

62.5928, 0.2777, 0.3100

Monochromacy



Original Color

62.8142, 0.2789, 0.3146

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.3346, 0.2997, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8142, 0.2789, 0.3146 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(176, 214, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 214, 226)  
}
```

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(176, 214, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 214, 226) }
```

Border

The CSS property to change the border of an element to Yxy 62.8142, 0.2789, 0.3146 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(176, 214, 226) }
```

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

```
.border{ border-color:rgb(176, 214, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 214, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 214, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 214, 226);  
box-shadow:4px 4px 4px 4px rgb(176, 214,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8142, 0.2789, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 214, 226) }
```

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

```
.background{ background-color: rgb(176,  
214, 226) }
```

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