

Converting Colors

$Y_{xy}(31.3724, 0.2859, 0.3633)$

Have a look what the booklet for
Yxy(31.3724, 0.2859, 0.3633)
contains.

Yxy(31.3711, 0.2862, 0.3629)	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(31.3711, 0.2862, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	72A28E
RGB	114, 162, 142
RGB Percent	45%, 64%, 56%
CMY	0.5529, 0.3647, 0.4432
CMYK	0.30, 0.00, 0.12, 0.36
HSL	155°, 21%, 54%
HSV	155°, 30%, 64%
XYZ	24.7407, 31.3711, 30.3338
YIQ	145.3680, -22.1880, -16.3960

Conversions

Conversions Part 2

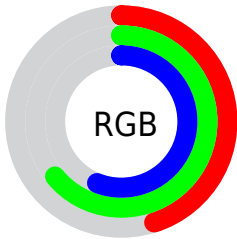
Format	Color
RYB	114, 144, 162
Decimal	7512718
CIELab	62.82, -20.49, 5.27
CIELCh	63, 21.160, 165.569
Yxy	31.3711, 0.2862, 0.3629
Android (android.graphics.Color)	4285702798 (0xFF72A28E)
YUV	145.3680, -1.6604, -27.5097
Hunter-Lab	56.0099, -19.1702, 7.0968

Details

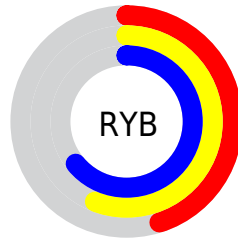
The Yxy color **31.3711, 0.2862, 0.3629** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4384, 0.3502, 0.2976**, and the grayscale version is **28.4865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8267, 0.2914, 0.3553**, and **13.0146, 0.2768, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **30.1836, 0.2785, 0.3765**, and if you desaturate by 10%, it is **32.7659, 0.2947, 0.3503**.

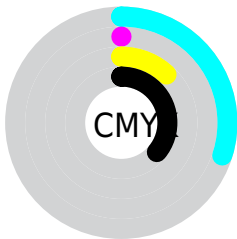
Distribution



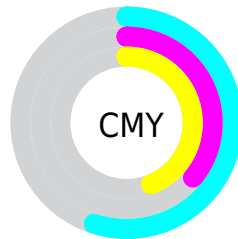
- Red (45%)
- Green (64%)
- Blue (56%)



- Red (45%)
- Yellow (56%)
- Blue (64%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)





- Cyan (55%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3711, 0.2862, 0.3629 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 31.3711, 0.2862, 0.3629 by changing the saturation by 10% instead.


 31.3711, 0.2862,
0.3629


 31.3711, 0.2862,
0.3629


308.2443, 0.3005,
0.3445

 20.8816, 0.2822,
0.3681


 61.8239, 0.2917,
0.3558

 13.0375, 0.2769,
0.3751


 82.5559, 0.2936,
0.3533

 7.4544, 0.2693,
0.3853


 107.4709, 0.2953,
0.3512

 3.7478, 0.2576,
0.4010

136.9533, 0.2967,
0.3494

 1.5335, 0.2374,
0.4290

171.3874, 0.2978,
0.3479

 0.3122, 0.0000,
1.0000

211.1577, 0.2988,

 0.0000, 0.0000,

0.3466

0.0000

256.6486, 0.2997,
0.3455

■ 31.3711, 0.2862,
0.3629

■ 31.3711, 0.2862,
0.3629

■ 30.1836, 0.2785,
0.3765

■ 32.7659, 0.2947,
0.3503

■ 29.1893, 0.2719,
0.3911

■ 34.3737, 0.3037,
0.3389

■ 28.3779, 0.2667,
0.4065

■ 36.2048, 0.3131,
0.3286

■ 27.7371, 0.2633,
0.4224

■ 38.2678, 0.3225,
0.3195

■ 27.2526, 0.2617,
0.4384

■ 40.5706, 0.3318,
0.3113

■ 26.9080, 0.2620,
0.4543

■ 43.1208, 0.3410,
0.3041

■ 26.6668, 0.2639,
0.4699

■ 45.9258, 0.3498,
0.2978

■ 26.6584, 0.2640,
0.4705

■ 48.9926, 0.3584,
0.2923

■ 51.4051, 0.3623,
0.2869

Harmonies

Analogous

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



31.3711, 0.3190, 0.3847



31.3711, 0.2862, 0.3629



31.3711, 0.2614, 0.3311

Triad

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



31.3711, 0.2862, 0.3629



31.3711, 0.2733, 0.2736



31.3711, 0.3797, 0.3515

Complementary

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



31.3711, 0.2862, 0.3629



21.4384, 0.3502, 0.2976

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.



31.3711, 0.3664, 0.3236



31.3711, 0.2862, 0.3629



31.3711, 0.3035, 0.2803

Square

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



31.3711, 0.2862, 0.3629



31.3711, 0.2543, 0.2804



31.3711, 0.3379, 0.2982



31.3711, 0.3739, 0.3756

Rectangle

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



31.3711, 0.2862, 0.3629



31.3711, 0.2521, 0.3100



31.3711, 0.3379, 0.2982



31.3711, 0.3774, 0.3423

Sweetspot

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



31.3724, 0.2862, 0.3629



62.5427, 0.3042, 0.3384



32.1920, 0.3286, 0.4081



13.9493, 0.3029, 0.3399



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.3724, 0.2862, 0.3629



55.3907, 0.2807, 0.3724



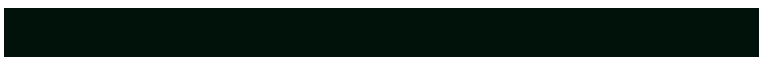
30.9155, 0.2703, 0.3236



7.9610, 0.3041, 0.3385



21.0093, 0.2636, 0.4691



0.4506, 0.2479, 0.4122

Inverse Universe

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



21.4384, 0.3502, 0.2976



34.1995, 0.3625, 0.2898



21.6660, 0.3753, 0.3343



7.1327, 0.3223, 0.3197



6.3846, 0.5262, 0.2673



0.1435, 0.4373, 0.2183

Previews

White Background



This preview shows how the Yxy color 31.3711, 0.2862, 0.3629 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 31.3711, 0.2862, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

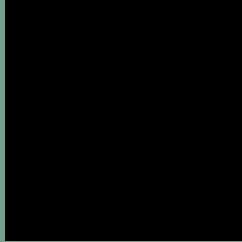
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3711, 0.2862, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 31.3711, 0.2862, 0.3629.

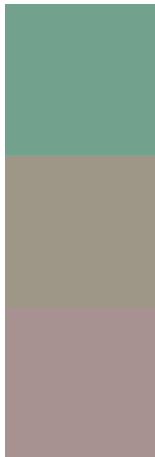


This preview shows how white text looks on a background with the Yxy color 31.3711, 0.2862, 0.3629.

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

31.3711, 0.2862, 0.3629

Protanopia

31.1799, 0.3344, 0.3522

Deuteranopia

30.9269, 0.3371, 0.3306



Tritanopia

31.3871, 0.2683, 0.3081

Trichromacy



Original Color

31.3711, 0.2862, 0.3629

Protanomaly

31.0285, 0.3154, 0.3563

Deuteranomaly

30.7660, 0.3162, 0.3416

Tritanomaly

31.1859, 0.2751, 0.3273

Monochromacy



Original Color

31.3711, 0.2862, 0.3629

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.2152, 0.3022, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3711, 0.2862, 0.3629 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(114, 162, 142)` looks like.

```
.text, #text, p{  
    color:rgb(114, 162, 142)  
}
```

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(114, 162, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 162, 142) }
```

Border

The CSS property to change the border of an element to Yxy 31.3711, 0.2862, 0.3629 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(114, 162, 142) }
```

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

```
.border{ border-color:rgb(114, 162, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 162, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 162, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 162, 142);  
box-shadow:4px 4px 4px 4px rgb(114, 162,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3711, 0.2862, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 162, 142) }
```

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

```
.background{ background-color: rgb(114,  
162, 142) }
```

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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