

Converting Colors

$Yxy(31.0620, 0.2875, 0.3695)$

Have a look what the booklet for
Yxy(31.0620, 0.2875, 0.3695)
contains.

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Color

Yxy(31.1204, 0.2877, 0.3701)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 70A28A |
| RGB | 112, 162, 138 |
| RGB Percent | 44%, 64%, 54% |
| CMY | 0.5607, 0.3647, 0.4588 |
| CMYK | 0.31, 0.00, 0.15, 0.36 |
| HSL | 151°, 21%, 54% |
| HSV | 151°, 31%, 64% |
| XYZ | 24.1917, 31.1204, 28.7744 |
| YIQ | 144.3140, -22.0960, -18.0640 |

Conversions

Conversions Part 2

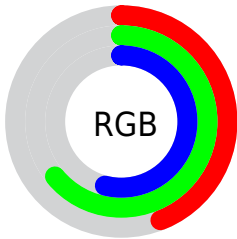
| Format | Color |
|-------------------------------------|---|
| RYB | 112, 145, 162 |
| Decimal | 7381642 |
| CIELab | 62.61, -21.96, 7.19 |
| CIElCh | 63, 23.110, 161.878 |
| Yxy | 31.1204, 0.2877, 0.3701 |
| Android (android.graphics.Color) | 4285571722 (0xFF70A28A) |
| YUV | 144.3140, -3.1128, -28.3394 |
| Hunter-Lab | 55.7857, -20.2177, 8.4680 |

Details

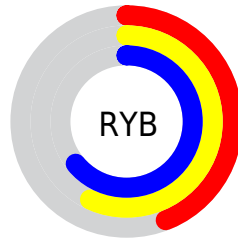
The Yxy color **31.1204, 0.2877, 0.3701** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0534, 0.3481, 0.2914**, and the grayscale version is **28.0449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3866, 0.2932, 0.3619**, and **12.8806, 0.2789, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **29.9352, 0.2808, 0.3861**, and if you desaturate by 10%, it is **32.5155, 0.2954, 0.3554**.

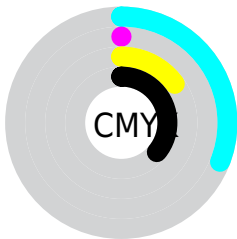
Distribution



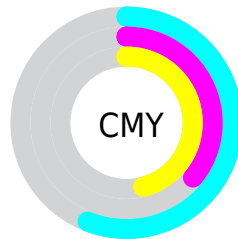
- Red (44%)
- Green (64%)
- Blue (54%)



- Red (44%)
- Yellow (57%)
- Blue (64%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (36%)





- Cyan (56%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1204, 0.2877, 0.3701 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 31.1204, 0.2877, 0.3701 by changing the saturation by 10% instead.


 31.1204, 0.2877,
0.3701


 31.1204, 0.2877,
0.3701


307.0926, 0.3013,
0.3476

 20.6905, 0.2839,
0.3765

 61.4296, 0.2929,
0.3614


 12.8980, 0.2787,
0.3852


 82.0777, 0.2948,
0.3583

 7.3583, 0.2712,
0.3978


 106.9007, 0.2964,
0.3557

 3.6872, 0.2596,
0.4176

 136.2830, 0.2977,
0.3536

 1.5002, 0.2389,
0.4533

170.6089, 0.2988,
0.3517

 0.2888, 0.0000,
1.0000

210.2629, 0.2998,

 0.0000, 0.0000,

0.3502

0.0000

255.6293, 0.3006,
0.3488

■ 31.1204, 0.2877,
0.3701

■ 31.1204, 0.2877,
0.3701

■ 29.9352, 0.2808,
0.3861

■ 32.5155, 0.2954,
0.3554

■ 28.9456, 0.2750,
0.4032

■ 34.1264, 0.3036,
0.3420

■ 28.1411, 0.2705,
0.4212


■ 35.9637, 0.3120,
0.3300


■ 27.5090, 0.2677,
0.4397


■ 38.0360, 0.3205,
0.3192

■ 27.0348, 0.2669,
0.4583


■ 40.3515, 0.3289,
0.3098


 26.7013, 0.2679,
0.4764

 42.9179, 0.3371,
0.3014

 26.4836, 0.2701,
0.4924

 45.7426, 0.3450,
0.2941

 48.8328, 0.3526,
0.2877

 51.6558, 0.3574,
0.2816

Harmonies

Analogous

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



31.1204, 0.3240, 0.3920



31.1204, 0.2877, 0.3701



31.1204, 0.2592, 0.3356

Triad

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



31.1204, 0.2877, 0.3701



31.1204, 0.2663, 0.2687



31.1204, 0.3855, 0.3496

Complementary

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



31.1204, 0.2877, 0.3701



21.0534, 0.3481, 0.2914

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.



31.1204, 0.3684, 0.3193



31.1204, 0.2877, 0.3701



31.1204, 0.2980, 0.2744

Square

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



31.1204, 0.2877, 0.3701



31.1204, 0.2476, 0.2778



31.1204, 0.3356, 0.2925



31.1204, 0.3816, 0.3769

Rectangle

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



31.1204, 0.2877, 0.3701



31.1204, 0.2480, 0.3120



31.1204, 0.3356, 0.2925



31.1204, 0.3820, 0.3395

Sweetspot

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



31.1217, 0.2877, 0.3701



62.4853, 0.3050, 0.3399



32.2601, 0.3317, 0.4111



13.9345, 0.3038, 0.3416



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.



31.1217, 0.2877, 0.3701



54.9838, 0.2829, 0.3809



31.6030, 0.2692, 0.3275



7.9536, 0.3049, 0.3400



20.8733, 0.2697, 0.4909



0.4481, 0.2517, 0.4261

Inverse Universe

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



21.0534, 0.3481, 0.2914



33.7517, 0.3589, 0.2828



20.6301, 0.3800, 0.3305



7.1400, 0.3213, 0.3183



6.4914, 0.5001, 0.2529



0.1459, 0.4204, 0.2090

Previews

White Background



This preview shows how the Yxy color 31.1204, 0.2877, 0.3701 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 31.1204, 0.2877, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

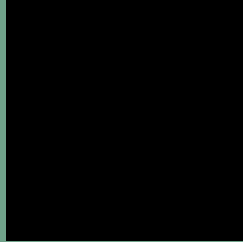
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1204, 0.2877, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 31.1204, 0.2877, 0.3701.

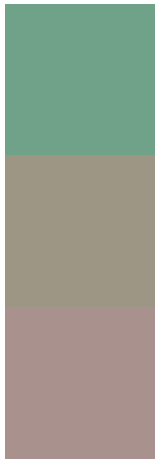


This preview shows how white text looks on a background with the Yxy color 31.1204, 0.2877, 0.3701.

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

31.1204, 0.2877, 0.3701

Protanopia

30.7477, 0.3386, 0.3569

Deuteranopia

30.9159, 0.3423, 0.3365



Tritanopia

30.9382, 0.2680, 0.3080

Trichromacy



Original Color

31.1204, 0.2877, 0.3701

Protanomaly

30.4952, 0.3182, 0.3615

Deuteranomaly

30.6458, 0.3199, 0.3480

Tritanomaly

30.9779, 0.2750, 0.3305

Monochromacy



Original Color

31.1204, 0.2877, 0.3701

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9917, 0.3021, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1204, 0.2877, 0.3701 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(112, 162, 138)` looks like.

```
.text, #text, p{  
    color:rgb(112, 162, 138)  
}
```

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(112, 162, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 162, 138) }
```

Border

The CSS property to change the border of an element to Yxy 31.1204, 0.2877, 0.3701 is called "border". The border property can be set on classes, ids or directly on the HTML element.

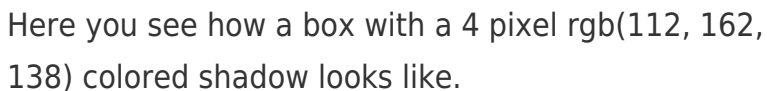
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 162, 138) }
```

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

```
.border{ border-color:rgb(112, 162, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 162, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 162, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 162, 138); box-shadow:4px 4px 4px 4px rgb(112, 162, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1204, 0.2877, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 162, 138) }
```

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

```
.background{ background-color: rgb(112,  
162, 138) }
```

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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