

Converting Colors

$Y_{xy}(31.2160, 0.3518, 0.2747)$

Have a look what the booklet for
Yxy(31.2160, 0.3518, 0.2747)
contains.

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Color

Yxy(31.2160, 0.3518, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	CC80AB
RGB	204, 128, 171
RGB Percent	80%, 50%, 67%
CMY	0.1999, 0.4981, 0.3294
CMYK	0.00, 0.37, 0.16, 0.20
HSL	326°, 43%, 65%
HSV	326°, 37%, 80%
XYZ	39.9774, 31.2160, 42.4433
YIQ	155.6260, 31.4930, 29.4850

Conversions

Conversions Part 2

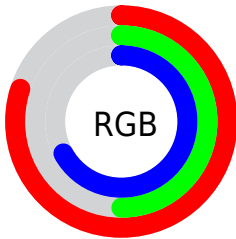
Format	Color
R_{YB}	204, 128, 171
Decimal	13402283
CIE _{Lab}	62.69, 35.44, -10.43
CIE _{LCh}	63, 36.947, 343.607
Yxy	31.2160, 0.3518, 0.2747
Android (android.graphics.Color)	4291592363 (0xFFCC80AB)
YUV	155.6260, 7.5794, 42.4240
Hunter-Lab	55.8713, 29.9468, -5.9305

Details

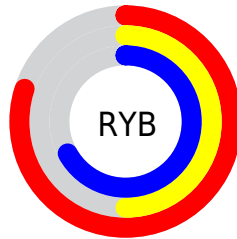
The Yxy color **31.2160, 0.3518, 0.2747** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.3629, 0.2868, 0.3910**, and the grayscale version is **33.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2069, 0.3387, 0.2844**, and **12.9356, 0.3630, 0.2581** is the 20% darker color. If you saturate the color by 10%, you get **26.0931, 0.3669, 0.2604**, and if you desaturate by 10%, it is **37.4345, 0.3388, 0.2896**.

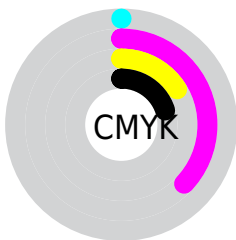
Distribution



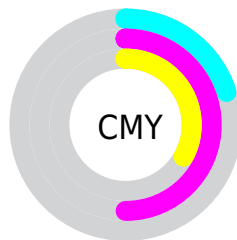
- Red (80%)
- Green (50%)
- Blue (67%)



- Red (80%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (16%)
- Black (20%)





- Cyan (20%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2160, 0.3518, 0.2747 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 31.2160, 0.3518, 0.2747 by changing the saturation by 10% instead.


 31.2160, 0.3518,
0.2747


 31.2160, 0.3518,
0.2747


307.5322, 0.3316,
0.3024


 20.7634, 0.3571,
0.2676


 61.5800, 0.3443,
0.2849

 12.9512, 0.3640,
0.2584


 82.2601, 0.3415,
0.2887

 7.3949, 0.3734,
0.2460


 107.1183, 0.3392,
0.2919

 3.7103, 0.3871,
0.2284

136.5387, 0.3372,
0.2946

 1.5129, 0.4084,
0.2017

170.9060, 0.3355,
0.2970

 0.2978, 0.4672,
0.1172

210.6044, 0.3340,

 0.0000, 1.0000,

0.2990

0.0000

256.0183, 0.3327,
0.3008

0.0000, 0.0000,
0.0000

31.2160, 0.3518,
0.2747

31.2160, 0.3518,
0.2747

26.0931, 0.3669,
0.2604

37.4345, 0.3388,
0.2896

21.9966, 0.3841,
0.2477

44.8039, 0.3277,
0.3046

18.8559, 0.4030,
0.2377

53.3808, 0.3185,
0.3190


16.5898, 0.4232,
0.2316


63.2168, 0.3107,
0.3326

15.1032, 0.4438,
0.2304


74.3607, 0.3043,
0.3454


 14.2662, 0.4640,
0.2345

 86.8585, 0.2990,
0.3572

 14.0885, 0.4695,
0.2360

 90.2474, 0.2942,
0.3523

 90.7670, 0.2895,
0.3427

 91.3124, 0.2849,
0.3333

Harmonies

Analogous

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



31.2160, 0.2917, 0.2469



31.2160, 0.3518, 0.2747



31.2160, 0.4045, 0.3147

Triad

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



31.2160, 0.3518, 0.2747



31.2160, 0.3803, 0.4325



31.2160, 0.2082, 0.2803

Complementary

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



31.2160, 0.3518, 0.2747



50.3629, 0.2868, 0.3910

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.



31.2160, 0.2271, 0.3343



31.2160, 0.3518, 0.2747



31.2160, 0.3248, 0.4319

Square

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



31.2160, 0.3518, 0.2747



31.2160, 0.4197, 0.4033



31.2160, 0.2688, 0.3938



31.2160, 0.2137, 0.2469

Rectangle

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



31.2160, 0.3518, 0.2747



31.2160, 0.4252, 0.3448



31.2160, 0.2688, 0.3938



31.2160, 0.2118, 0.2964

Sweetspot

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



31.2175, 0.3518, 0.2747



82.6306, 0.3219, 0.3135



27.3677, 0.2745, 0.2255



17.2664, 0.3231, 0.3115



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.



31.2175, 0.3518, 0.2747



44.5042, 0.3642, 0.2627



29.9725, 0.3969, 0.3227



11.3182, 0.3203, 0.3160



8.8835, 0.4668, 0.2345



0.4734, 0.4308, 0.2147

Inverse Universe

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



31.2175, 0.3518, 0.2747



44.5042, 0.3642, 0.2627



51.9105, 0.2639, 0.3358



11.3182, 0.3203, 0.3160



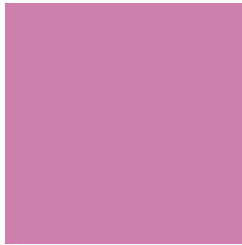
8.8835, 0.4668, 0.2345



0.4734, 0.4308, 0.2147

Previews

White Background



This preview shows how the Yxy color 31.2160, 0.3518, 0.2747 looks on a white background.

Color Contrast Check

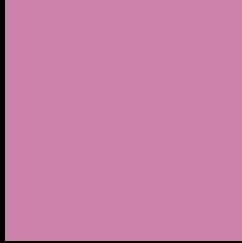
Large Text (above 18pt) WCAG AA × Fail

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 31.2160, 0.3518, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

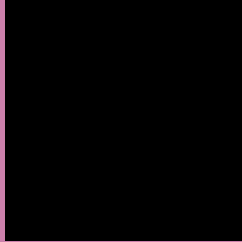
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2160, 0.3518, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 31.2160, 0.3518, 0.2747.



This preview shows how white text looks on a background with the Yxy color 31.2160, 0.3518, 0.2747.

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

31.2160, 0.3518, 0.2747

Protanopia

31.6077, 0.2759, 0.2774

Deuteranopia

31.4434, 0.3070, 0.3011



Tritanopia

31.1757, 0.3795, 0.3161

Trichromacy



Original Color

31.2160, 0.3518, 0.2747

Protanomaly

31.0881, 0.3001, 0.2753

Deuteranomaly

31.1070, 0.3229, 0.2912

Tritanomaly

31.0891, 0.3695, 0.3006

Monochromacy



Original Color

31.2160, 0.3518, 0.2747

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.0152, 0.3262, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2160, 0.3518, 0.2747 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(204, 128, 171)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 171)  
}
```

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(204, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 171) }
```

Border

The CSS property to change the border of an element to Yxy 31.2160, 0.3518, 0.2747 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(204, 128, 171) }
```

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

```
.border{ border-color:rgb(204, 128, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2160, 0.3518, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 171) }
```

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

```
.background{ background-color: rgb(204,  
128, 171) }
```

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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