

Converting Colors

$Yxy(31.1618, 0.3194, 0.2759)$

Have a look what the booklet for
Yxy(31.1618, 0.3194, 0.2759)
contains.

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Color

Yxy(31.1750, 0.3194, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	B58AB1
RGB	181, 138, 177
RGB Percent	71%, 54%, 69%
CMY	0.2902, 0.4588, 0.3060
CMYK	0.00, 0.24, 0.02, 0.29
HSL	306°, 23%, 63%
HSV	306°, 24%, 71%
XYZ	36.0772, 31.1750, 45.7007
YIQ	155.3030, 13.1090, 21.2450

Conversions

Conversions Part 2

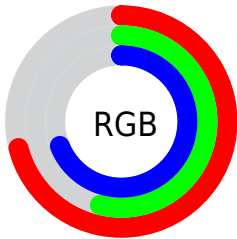
Format	Color
RYB	181, 138, 177
Decimal	11897521
CIELab	62.66, 22.99, -14.13
CIELCh	63, 26.987, 328.422
Yxy	31.1750, 0.3194, 0.2760
Android (android.graphics.Color)	4290087601 (0xFFB58AB1)
YUV	155.3030, 10.6966, 22.5363
Hunter-Lab	55.8346, 17.6261, -9.4448

Details

The Yxy color **31.1750, 0.3194, 0.2760** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.4022, 0.3066, 0.3885**, and the grayscale version is **32.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5870, 0.3179, 0.2859**, and **13.0239, 0.3219, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **26.3411, 0.3227, 0.2535**, and if you desaturate by 10%, it is **36.8779, 0.3164, 0.2987**.

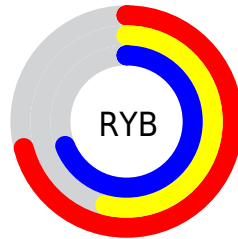
Distribution



Red (71%)

Green (54%)

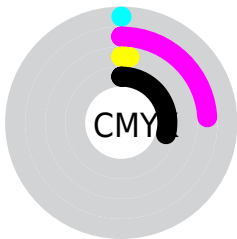
Blue (69%)



Red (71%)

Yellow (54%)

Blue (69%)

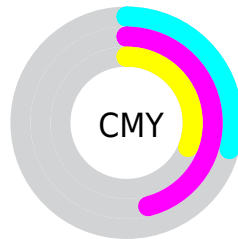


Cyan (0%)

Magenta (24%)

Yellow (2%)

Black (29%)



Cyan (29%)


Magenta (46%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1750, 0.3194, 0.2760 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 31.1750, 0.3194, 0.2760 by changing the saturation by 10% instead.


 31.1750, 0.3194,
0.2760


 31.1750, 0.3194,
0.2760


307.3437, 0.3163,
0.3031


 20.7321, 0.3201,
0.2690


 61.5155, 0.3184,
0.2860

 12.9283, 0.3209,
0.2600


 82.1819, 0.3179,
0.2897

 7.3792, 0.3218,
0.2478


 107.0250, 0.3176,
0.2928

 3.7004, 0.3228,
0.2304

136.4291, 0.3173,
0.2955

 1.5074, 0.3236,
0.2040

170.7786, 0.3170,
0.2978

 0.2939, 0.3383,
0.1183

210.4580, 0.3167,

 0.0000, 0.0000,

0.2998

0.0000

255.8515, 0.3165,
0.3016

■ 31.1750, 0.3194,
0.2760

■ 31.1750, 0.3194,
0.2760

■ 26.3411, 0.3227,
0.2535

■ 36.8779, 0.3164,
0.2987

■ 22.3292, 0.3262,
0.2321

■ 43.4856, 0.3137,
0.3209

■ 19.0943, 0.3299,
0.2125

■ 51.0369, 0.3112,
0.3422

■ 16.5851, 0.3336,
0.1958

■ 59.5670, 0.3091,
0.3623

■ 14.7444, 0.3373,
0.1828

■ 69.1095, 0.3073,
0.3810

■ 13.5064, 0.3407,
0.1739

■ 79.6961, 0.3057,
0.3983

■ 12.7919, 0.3439,
0.1693

■ 85.0083, 0.3046,
0.4047

■ 12.5069, 0.3458,
0.1679

■ 85.0820, 0.3037,
0.4027

■ 85.1565, 0.3028,
0.4007

Harmonies

Analogous

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



31.1750, 0.2775, 0.2612



31.1750, 0.3194, 0.2760



31.1750, 0.3621, 0.3028

Triad

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



31.1750, 0.3194, 0.2760



31.1750, 0.3802, 0.3974



31.1750, 0.2394, 0.3132

Complementary

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



31.1750, 0.3194, 0.2760



40.4022, 0.3066, 0.3885

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.



31.1750, 0.2636, 0.3556



31.1750, 0.3194, 0.2760



31.1750, 0.3444, 0.4069

Square

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



31.1750, 0.3194, 0.2760



31.1750, 0.3982, 0.3706



31.1750, 0.3016, 0.3918



31.1750, 0.2338, 0.2795

Rectangle

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



31.1750, 0.3194, 0.2760



31.1750, 0.3841, 0.3248



31.1750, 0.3016, 0.3918



31.1750, 0.2455, 0.3270

Sweetspot

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



31.1764, 0.3194, 0.2760



73.7164, 0.3145, 0.3135



27.2307, 0.2763, 0.2638



15.7810, 0.3147, 0.3122



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.1764, 0.3194, 0.2760



51.5650, 0.3209, 0.2653



30.4004, 0.3413, 0.3039



8.6328, 0.3151, 0.3086



8.6283, 0.3455, 0.1677



0.2754, 0.3379, 0.1635

Inverse Universe

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



31.1764, 0.3194, 0.2760



51.5650, 0.3209, 0.2653



41.0959, 0.2909, 0.3556



8.6328, 0.3151, 0.3086



8.6283, 0.3455, 0.1677



0.2754, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 31.1750, 0.3194, 0.2760 looks on a white background.

Color Contrast Check

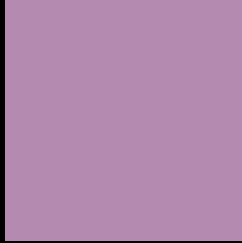
Large Text (above 18pt) WCAG AA × Fail

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 31.1750, 0.3194, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

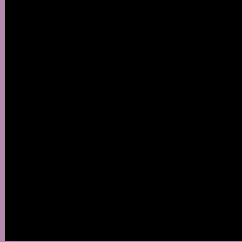
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1750, 0.3194, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 31.1750, 0.3194, 0.2760.



This preview shows how white text looks on a background with the Yxy color 31.1750, 0.3194, 0.2760.

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

31.1750, 0.3194, 0.2760

Protanopia

31.2448, 0.2765, 0.2772

Deuteranopia

31.2435, 0.2949, 0.2893



Tritanopia

31.1109, 0.3404, 0.3134

Trichromacy



Original Color

31.1750, 0.3194, 0.2760

Protanomaly

31.1033, 0.2906, 0.2770

Deuteranomaly

30.9736, 0.3027, 0.2831

Tritanomaly

31.2421, 0.3322, 0.2996

Monochromacy



Original Color

31.1750, 0.3194, 0.2760

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.0317, 0.3147, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1750, 0.3194, 0.2760 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(181, 138, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 138, 177)  
}
```

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(181, 138, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 138, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.1750, 0.3194, 0.2760 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(181, 138, 177) }
```

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

```
.border{ border-color:rgb(181, 138, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 138, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 138, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 138, 177);  
box-shadow:4px 4px 4px 4px rgb(181, 138,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1750, 0.3194, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 138, 177) }
```

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

```
.background{ background-color: rgb(181,  
138, 177) }
```

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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