

Converting Colors

$Y_{xy}(31.4488, 0.2658, 0.2293)$

Have a look what the booklet for
Yxy(31.4488, 0.2658, 0.2293)
contains.

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Color

Yxy(31.4812, 0.2658, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	A08DD8
RGB	160, 141, 216
RGB Percent	63%, 55%, 85%
CMY	0.3725, 0.4470, 0.1531
CMYK	0.26, 0.35, 0.00, 0.15
HSL	255°, 49%, 70%
HSV	255°, 35%, 85%
XYZ	36.4130, 31.4812, 69.0997
YIQ	155.2310, -12.7510, 27.3530

Conversions

Conversions Part 2

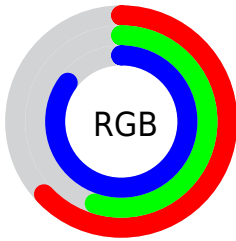
Format	Color
RYB	160, 141, 216
Decimal	10522072
CIELab	62.91, 23.00, -35.82
CIELCh	63, 42.568, 302.713
Yxy	31.4812, 0.2658, 0.2298
Android (android.graphics.Color)	4288712152 (0xFFA08DD8)
YUV	155.2310, 29.9591, 4.1824
Hunter-Lab	56.1081, 17.6535, -33.7427

Details

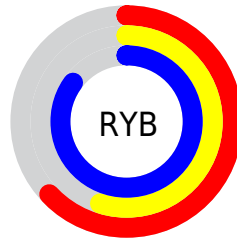
The Yxy color **31.4812, 0.2658, 0.2298** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.8848, 0.3495, 0.4197**, and the grayscale version is **32.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8491, 0.2869, 0.2650**, and **13.1812, 0.2505, 0.2033** is the 20% darker color. If you saturate the color by 10%, you get **24.1665, 0.2487, 0.1970**, and if you desaturate by 10%, it is **40.2557, 0.2814, 0.2613**.

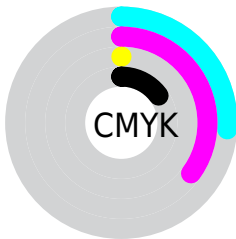
Distribution



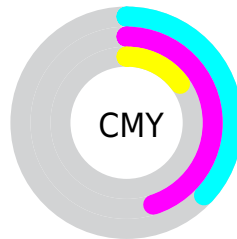
- Red (63%)
- Green (55%)
- Blue (85%)



- Red (63%)
- Yellow (55%)
- Blue (85%)



- Cyan (26%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)



- Cyan (37%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4812, 0.2658, 0.2298 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 31.4812, 0.2658, 0.2298 by changing the saturation by 10% instead.


 31.4812, 0.2658,
0.2298


 31.4812, 0.2658,
0.2298


308.7491, 0.2910,
0.2789


 20.9655, 0.2591,
0.2179


 61.9969, 0.2753,
0.2474

 13.0988, 0.2502,
0.2029

 82.7657, 0.2788,
0.2541

 7.4966, 0.2381,
0.1836


 107.7210, 0.2817,
0.2598

 3.7746, 0.2209,
0.1581

137.2473, 0.2841,
0.2647

 1.5483, 0.1949,
0.1234

171.7288, 0.2862,
0.2689

 0.3224, 0.1564,
0.0581

211.5500, 0.2880,

 0.0000, 0.0000,

0.2727

0.0000

257.0953, 0.2896,
0.2760

■ 31.4812, 0.2658,
0.2298

■ 31.4812, 0.2658,
0.2298

■ 24.1665, 0.2487,
0.1970

■ 40.2557, 0.2814,
0.2613

■ 18.2271, 0.2308,
0.1643

■ 50.5607, 0.2954,
0.2907

■ 13.5757, 0.2128,
0.1336

■ 62.4667, 0.3076,
0.3174

■ 10.1127, 0.1958,
0.1070

■ 76.0386, 0.3181,
0.3413

■ 7.7238, 0.1809,
0.0863

■ 91.3379, 0.3271,
0.3625

■ 6.2706, 0.1691,
0.0727

■ 97.7361, 0.3358,
0.3671

■ 5.7604, 0.1641,
0.0677

Harmonies

Analogous

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



31.4812, 0.2184, 0.2258



31.4812, 0.2658, 0.2298



31.4812, 0.3317, 0.2543

Triad

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



31.4812, 0.2658, 0.2298



31.4812, 0.4435, 0.3947



31.4812, 0.2295, 0.3604

Complementary

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



31.4812, 0.2658, 0.2298



62.8848, 0.3495, 0.4197

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.



31.4812, 0.2838, 0.4252



31.4812, 0.2658, 0.2298



31.4812, 0.4082, 0.4372

Square

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



31.4812, 0.2658, 0.2298



31.4812, 0.4413, 0.3439



31.4812, 0.3492, 0.4533



31.4812, 0.1990, 0.2924

Rectangle

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



31.4812, 0.2658, 0.2298



31.4812, 0.3778, 0.2798



31.4812, 0.3492, 0.4533



31.4812, 0.2454, 0.3842

Sweetspot

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



31.4824, 0.2658, 0.2298



81.3619, 0.3012, 0.3034



50.6555, 0.2607, 0.3043



16.8962, 0.2995, 0.2995



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.



31.4824, 0.2658, 0.2298



37.4865, 0.2528, 0.2046



35.9097, 0.2992, 0.2387



12.1592, 0.3020, 0.3052



3.4544, 0.1653, 0.0684



0.2480, 0.1834, 0.0784

Inverse Universe

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



37.6765, 0.3347, 0.2632



48.0024, 0.3411, 0.2488



58.4656, 0.3210, 0.4285



12.5764, 0.3176, 0.3118



10.1881, 0.3970, 0.1960



0.6275, 0.3810, 0.1873

Previews

White Background



This preview shows how the Yxy color 31.4812, 0.2658, 0.2298 looks on a white background.

Color Contrast Check

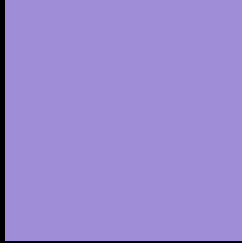
Large Text (above 18pt) WCAG AA × Fail

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 31.4812, 0.2658, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

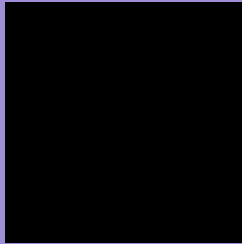
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4812, 0.2658, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 31.4812, 0.2658, 0.2298.



This preview shows how white text looks on a background with the Yxy color 31.4812, 0.2658, 0.2298.

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

31.4812, 0.2658, 0.2298

Protanopia

31.7296, 0.2382, 0.2282

Deuteranopia

31.7341, 0.2452, 0.2401



Tritanopia

31.6208, 0.2998, 0.3108

Trichromacy



Original Color

31.4812, 0.2658, 0.2298

Protanomaly

31.6102, 0.2480, 0.2294

Deuteranomaly

31.4365, 0.2519, 0.2351

Tritanomaly

31.4687, 0.2870, 0.2783

Monochromacy



Original Color

31.4812, 0.2658, 0.2298

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1551, 0.2951, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4812, 0.2658, 0.2298 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(160, 141, 216)` looks like.

```
.text, #text, p{  
    color:rgb(160, 141, 216)  
}
```

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(160, 141, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 141, 216) }
```

Border

The CSS property to change the border of an element to Yxy 31.4812, 0.2658, 0.2298 is called "border". The border property can be set on classes, ids or directly on the HTML element.

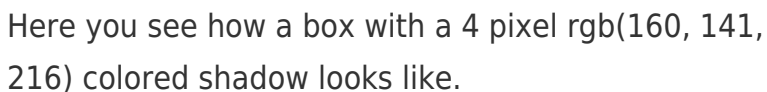
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 141, 216) }
```

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

```
.border{ border-color:rgb(160, 141, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(160, 141, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 141, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 141, 216); box-shadow:4px 4px 4px 4px rgb(160, 141, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4812, 0.2658, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 141, 216) }
```

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

```
.background{ background-color: rgb(160,  
141, 216) }
```

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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