

Converting Colors

$Yxy(31.5867, 0.2669, 0.2506)$

Have a look what the booklet for
Yxy(31.5867, 0.2669, 0.2506)
contains.

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Color

Yxy(31.5688, 0.2667, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	9593CB
RGB	149, 147, 203
RGB Percent	58%, 58%, 80%
CMY	0.4157, 0.4235, 0.2038
CMYK	0.27, 0.28, 0.00, 0.20
HSL	242°, 35%, 69%
HSV	242°, 28%, 80%
XYZ	33.6104, 31.5688, 60.8440
YIQ	153.9820, -16.7840, 17.8400

Conversions

Conversions Part 2

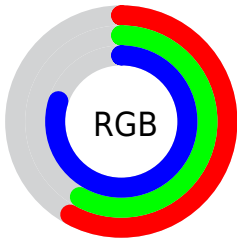
Format	Color
RYB	149, 147, 203
Decimal	9802699
CIELab	62.98, 13.12, -28.55
CIELCh	63, 31.424, 294.684
Yxy	31.5688, 0.2667, 0.2505
Android (android.graphics.Color)	4287992779 (0xFF9593CB)
YUV	153.9820, 24.1659, -4.3692
Hunter-Lab	56.1861, 8.4525, -24.8749

Details

The Yxy color **31.5688, 0.2667, 0.2505** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.2583, 0.3524, 0.3977**, and the grayscale version is **32.2050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8307, 0.2790, 0.2702**, and **13.2607, 0.2517, 0.2282** is the 20% darker color. If you saturate the color by 10%, you get **24.1137, 0.2467, 0.2167**, and if you desaturate by 10%, it is **40.4504, 0.2851, 0.2818**.

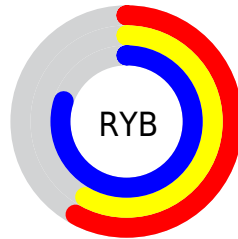
Distribution



Red (58%)

Green (58%)

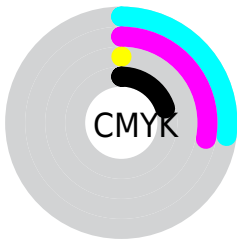
Blue (80%)



Red (58%)

Yellow (58%)

Blue (80%)

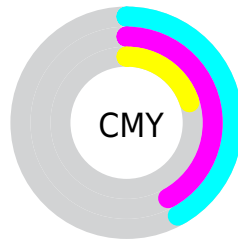


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (20%)



Cyan (42%)

Magenta (42%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5688, 0.2667, 0.2505 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 31.5688, 0.2667, 0.2505 by changing the saturation by 10% instead.

■ 31.5688, 0.2667,
0.2505

■ 31.5688, 0.2667,
0.2505

309.1503, 0.2912,
0.2903

■ 21.0324, 0.2602,
0.2405

■ 62.1345, 0.2759,
0.2651

■ 13.1477, 0.2516,
0.2276

■ 82.9325, 0.2793,
0.2705

■ 7.5303, 0.2399,
0.2106

107.9199, 0.2821,
0.2751

■ 3.7959, 0.2230,
0.1873

137.4810, 0.2844,
0.2790

■ 1.5601, 0.1971,
0.1537

172.0001, 0.2865,
0.2824

■ 0.3304, 0.1548,
0.0806

211.8618, 0.2882,

■ 0.0000, 0.0000,

0.2854

0.0000

257.4504, 0.2898,
0.2880

■ 31.5688, 0.2667,
0.2505

■ 31.5688, 0.2667,
0.2505

■ 24.1137, 0.2467,
0.2167

■ 40.4504, 0.2851,
0.2818

■ 18.0072, 0.2257,
0.1815

■ 50.8233, 0.3016,
0.3099

■ 13.1699, 0.2049,
0.1469

■ 62.7531, 0.3160,
0.3346

■ 9.5124, 0.1857,
0.1155

■ 76.3002, 0.3285,
0.3562

■ 6.9336, 0.1698,
0.0898

■ 91.5219, 0.3392,
0.3748

■ 5.3159, 0.1584,
0.0719

■ 97.0935, 0.3436,
0.3800

■ 4.4971, 0.1520,
0.0622

■ 4.3603, 0.1510,
0.0605

Harmonies

Analogous

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



31.5688, 0.2344, 0.2531



31.5688, 0.2667, 0.2505



31.5688, 0.3137, 0.2655

Triad

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



31.5688, 0.2667, 0.2505



31.5688, 0.4125, 0.3713



31.5688, 0.2605, 0.3660

Complementary

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



31.5688, 0.2667, 0.2505



57.2583, 0.3524, 0.3977

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.



31.5688, 0.3055, 0.4065



31.5688, 0.2667, 0.2505



31.5688, 0.3943, 0.4044

Square

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



31.5688, 0.2667, 0.2505



31.5688, 0.4016, 0.3318



31.5688, 0.3546, 0.4198



31.5688, 0.2309, 0.3159

Rectangle

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



31.5688, 0.2667, 0.2505



31.5688, 0.3480, 0.2835



31.5688, 0.3546, 0.4198



31.5688, 0.2742, 0.3817

Sweetspot

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



31.5701, 0.2667, 0.2505



84.1259, 0.3008, 0.3085



52.3683, 0.2726, 0.3264



17.4086, 0.2984, 0.3044



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.



31.5701, 0.2667, 0.2505



45.2708, 0.2552, 0.2310



34.5144, 0.2914, 0.2558



10.8628, 0.2988, 0.3051



2.7822, 0.1513, 0.0607



0.1504, 0.1555, 0.0630

Inverse Universe

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



37.7876, 0.3177, 0.2632



57.3574, 0.3189, 0.2494



53.7369, 0.3293, 0.4031



11.3966, 0.3143, 0.3070



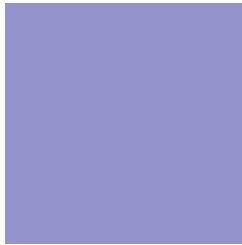
10.6124, 0.3300, 0.1591



0.5497, 0.3281, 0.1581

Previews

White Background



This preview shows how the Yxy color 31.5688, 0.2667, 0.2505 looks on a white background.

Color Contrast Check

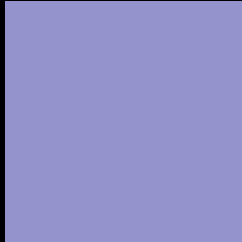
Large Text (above 18pt) WCAG AA × Fail

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 31.5688, 0.2667, 0.2505 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 31.5688, 0.2667, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 31.5688, 0.2667, 0.2505.



This preview shows how white text looks on a background with the Yxy color 31.5688, 0.2667, 0.2505.

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

31.5688, 0.2667, 0.2505

Protanopia

31.5873, 0.2554, 0.2492

Deuteranopia

31.6524, 0.2605, 0.2546



Tritanopia

31.6152, 0.2906, 0.3105

Trichromacy



Original Color

31.5688, 0.2667, 0.2505

Protanomaly

31.5654, 0.2590, 0.2496

Deuteranomaly

31.5988, 0.2628, 0.2536

Tritanomaly

31.4076, 0.2823, 0.2872

Monochromacy



Original Color

31.5688, 0.2667, 0.2505

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7872, 0.2947, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5688, 0.2667, 0.2505 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(149, 147, 203)` looks like.

```
.text, #text, p{  
    color:rgb(149, 147, 203)  
}
```

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(149, 147, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 147, 203) }
```

Border

The CSS property to change the border of an element to Yxy 31.5688, 0.2667, 0.2505 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(149, 147, 203) }
```

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

```
.border{ border-color:rgb(149, 147, 203) }
```

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

Here you see how a box with a 4 pixel rgb(149, 147, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 147, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 147, 203);  
box-shadow:4px 4px 4px 4px rgb(149, 147,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5688, 0.2667, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 147, 203) }
```

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

```
.background{ background-color: rgb(149,  
147, 203) }
```

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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