

Converting Colors

$Y_{xy}(24.8261, 0.2832, 0.2529)$

Have a look what the booklet for
Yxy(24.8261, 0.2832, 0.2529)
contains.

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Color

Yxy(24.8557, 0.2833, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	9380B2
RGB	147, 128, 178
RGB Percent	58%, 50%, 70%
CMY	0.4235, 0.4980, 0.3020
CMYK	0.17, 0.28, 0.00, 0.30
HSL	263°, 25%, 60%
HSV	263°, 28%, 70%
XYZ	27.7886, 24.8557, 45.4445
YIQ	139.3810, -4.7260, 19.5780

Conversions

Conversions Part 2

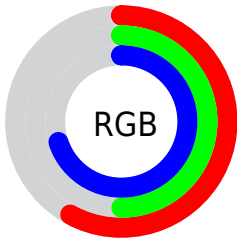
Format	Color
RYB	147, 128, 178
Decimal	9666738
CIELab	56.93, 17.48, -23.71
CIElCh	57, 29.461, 306.393
Yxy	24.8557, 0.2833, 0.2534
Android (android.graphics.Color)	4287856818 (0xFF9380B2)
YUV	139.3810, 19.0392, 6.6819
Hunter-Lab	49.8555, 12.2456, -19.1455

Details

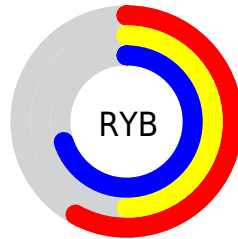
The Yxy color **24.8557, 0.2833, 0.2534** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.7612, 0.3365, 0.4021**, and the grayscale version is **25.9008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5448, 0.2901, 0.2683**, and **9.5594, 0.2726, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **19.6426, 0.2700, 0.2230**, and if you desaturate by 10%, it is **30.9830, 0.2951, 0.2823**.

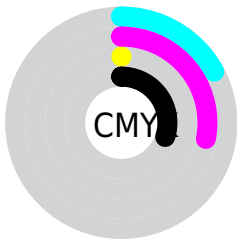
Distribution



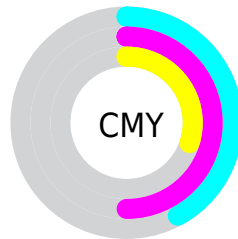
- Red (58%)
- Green (50%)
- Blue (70%)



- Red (58%)
- Yellow (50%)
- Blue (70%)



- Cyan (17%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (42%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8557, 0.2833, 0.2534 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 24.8557, 0.2833, 0.2534 by changing the saturation by 10% instead.

■ 24.8557, 0.2833,
0.2534

■ 24.8557, 0.2833,
0.2534

■ 277.1186, 0.2999,
0.2931

■ 15.9696, 0.2785,
0.2429

■ 51.4230, 0.2898,
0.2683

■ 9.5026, 0.2718,
0.2292

■ 69.8730, 0.2921,
0.2737

■ 5.0705, 0.2622,
0.2104

■ 92.2798, 0.2940,
0.2783

■ 2.2887, 0.2471,
0.1835

■ 119.0277, 0.2956,
0.2821

■ 0.7677, 0.2213,
0.1419

■ 150.5011, 0.2969,
0.2855

■ 0.0000, 0.0728,
0.0000

■ 187.0845, 0.2981,

■ 0.0000, 0.0000,

0.2883

0.0000

229.1621, 0.2990,
0.2909

■ 24.8557, 0.2833,
0.2534

■ 24.8557, 0.2833,
0.2534

■ 19.6426, 0.2700,
0.2230

■ 30.9830, 0.2951,
0.2823

■ 15.2953, 0.2555,
0.1921

■ 38.0635, 0.3054,
0.3091

■ 11.7656, 0.2402,
0.1619

■ 46.1376, 0.3143,
0.3335

■ 8.9991, 0.2245,
0.1341

■ 55.2425, 0.3219,
0.3555

■ 6.9346, 0.2094,
0.1103

■ 65.4134, 0.3283,
0.3751

■ 5.5008, 0.1956,
0.0921

■ 76.6837, 0.3337,
0.3926

■ 4.5836, 0.1837,
0.0796

■ 89.0856, 0.3382,
0.4080

■ 4.4326, 0.1816,
0.0774

■ 92.4355, 0.3451,
0.4083

■ 94.3735, 0.3526,
0.4063

Harmonies

Analogous

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



24.8557, 0.2439, 0.2487



24.8557, 0.2833, 0.2534



24.8557, 0.3342, 0.2746

Triad

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



24.8557, 0.2833, 0.2534



24.8557, 0.4100, 0.3863



24.8557, 0.2457, 0.3466

Complementary

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



24.8557, 0.2833, 0.2534



40.7612, 0.3365, 0.4021

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.



24.8557, 0.2863, 0.3943



24.8557, 0.2833, 0.2534



24.8557, 0.3817, 0.4145

Square

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



24.8557, 0.2833, 0.2534



24.8557, 0.4109, 0.3476



24.8557, 0.3361, 0.4198



24.8557, 0.2236, 0.2976

Rectangle

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



24.8557, 0.2833, 0.2534



24.8557, 0.3677, 0.2958



24.8557, 0.3361, 0.4198



24.8557, 0.2575, 0.3637

Sweetspot

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



24.8567, 0.2833, 0.2534



68.9639, 0.3054, 0.3089



32.8260, 0.2697, 0.3007



14.8282, 0.3039, 0.3051



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.



24.8567, 0.2833, 0.2534



38.7498, 0.2748, 0.2338



27.3460, 0.3088, 0.2589



8.3825, 0.3042, 0.3059



3.2058, 0.1828, 0.0781



0.1350, 0.2166, 0.0967

Inverse Universe

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



27.4036, 0.3364, 0.2851



44.2626, 0.3436, 0.2746



38.5167, 0.3146, 0.4073



8.5908, 0.3194, 0.3150



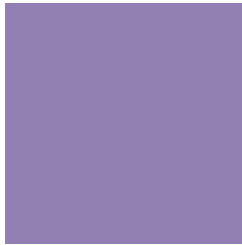
7.5947, 0.4439, 0.2219



0.2499, 0.4013, 0.1985

Previews

White Background



This preview shows how the Yxy color 24.8557, 0.2833, 0.2534 looks on a white background.

Color Contrast Check

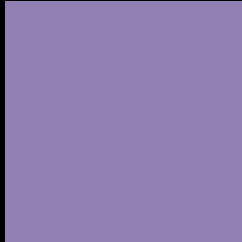
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8557, 0.2833, 0.2534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

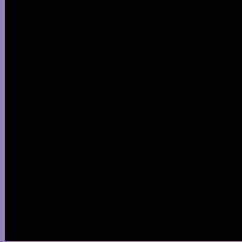
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8557, 0.2833, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 24.8557, 0.2833, 0.2534.



This preview shows how white text looks on a background with the Yxy color 24.8557, 0.2833, 0.2534.

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

24.8557, 0.2833, 0.2534

Protanopia

24.9578, 0.2574, 0.2531

Deuteranopia

24.8916, 0.2673, 0.2608



Tritanopia

24.7572, 0.3091, 0.3108

Trichromacy



Original Color

24.8557, 0.2833, 0.2534

Protanomaly

24.7443, 0.2665, 0.2526

Deuteranomaly

24.9111, 0.2736, 0.2588

Tritanomaly

24.7765, 0.2992, 0.2889

Monochromacy



Original Color

24.8557, 0.2833, 0.2534

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.3786, 0.3021, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8557, 0.2833, 0.2534 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(147, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 178)  
}
```

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(147, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 178) }
```

Border

The CSS property to change the border of an element to Yxy 24.8557, 0.2833, 0.2534 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(147, 128, 178) }
```

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

```
.border{ border-color:rgb(147, 128, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8557, 0.2833, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 178) }
```

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

```
.background{ background-color: rgb(147,  
128, 178) }
```

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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