

Converting Colors

$Y_{xy}(23.9927, 0.2977, 0.2779)$

Have a look what the booklet for
Yxy(23.9927, 0.2977, 0.2779)
contains.

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Color

Yxy(23.9962, 0.2984, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	9180A0
RGB	145, 128, 160
RGB Percent	57%, 50%, 63%
CMY	0.4314, 0.4980, 0.3727
CMYK	0.09, 0.20, 0.00, 0.37
HSL	272°, 14%, 56%
HSV	272°, 20%, 63%
XYZ	25.7386, 23.9962, 36.5205
YIQ	136.7310, -0.1400, 13.5560

Conversions

Conversions Part 2

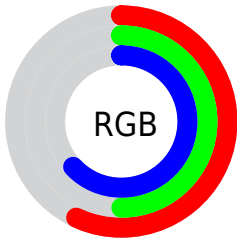
Format	Color
RYB	145, 128, 160
Decimal	9535648
CIELab	56.08, 12.78, -14.68
CIElCh	56, 19.459, 311.040
Yxy	23.9962, 0.2984, 0.2782
Android (android.graphics.Color)	4287725728 (0xFF9180A0)
YUV	136.7310, 11.4716, 7.2519
Hunter-Lab	48.9859, 8.0635, -9.9123

Details

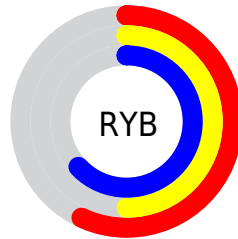
The Yxy color **23.9962, 0.2984, 0.2782** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **32.5300, 0.3248, 0.3802**, and the grayscale version is **24.8654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0962, 0.3014, 0.2885**, and **9.0544, 0.2927, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **19.4887, 0.2895, 0.2504**, and if you desaturate by 10%, it is **29.2087, 0.3061, 0.3046**.

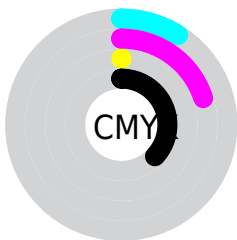
Distribution



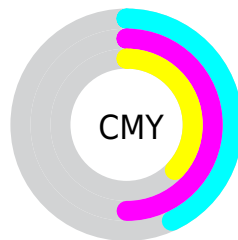
- Red (57%)
- Green (50%)
- Blue (63%)



- Red (57%)
- Yellow (50%)
- Blue (63%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (37%)





- Cyan (43%)
- Magenta (50%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9962, 0.2984, 0.2782 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 23.9962, 0.2984, 0.2782 by changing the saturation by 10% instead.


 23.9962, 0.2984,
0.2782


 23.9962, 0.2984,
0.2782


272.8013, 0.3066,
0.3055


 15.3308, 0.2959,
0.2707


 50.0240, 0.3017,
0.2886

 9.0519, 0.2925,
0.2606


 68.1552, 0.3028,
0.2924

 4.7750, 0.2873,
0.2464

 90.2104, 0.3037,
0.2955

 2.1159, 0.2788,
0.2250

116.5741, 0.3045,
0.2981

 0.6735, 0.2637,
0.1856

147.6307, 0.3052,
0.3004

 0.0000, 0.0000,
0.0000

183.7644, 0.3057,

0.3023

225.3598, 0.3062,
0.3040

■ 23.9962, 0.2984,
0.2782

■ 23.9962, 0.2984,
0.2782

■ 19.4887, 0.2895,
0.2504

■ 29.2087, 0.3061,
0.3046

■ 15.6514, 0.2795,
0.2217

■ 35.1527, 0.3127,
0.3290

■ 12.4514, 0.2684,
0.1931

■ 41.8570, 0.3183,
0.3515

■ 9.8514, 0.2565,
0.1657

■ 49.3480, 0.3230,
0.3718

■ 7.8103, 0.2442,
0.1410

■ 57.6508, 0.3269,
0.3901

6.2815, 0.2320,
0.1203

66.7893, 0.3301,
0.4065

5.2105, 0.2204,
0.1045

76.7866, 0.3327,
0.4212

4.4699, 0.2096,
0.0929

87.0321, 0.3350,
0.4334

4.4686, 0.2096,
0.0928

88.1238, 0.3400,
0.4317

Harmonies

Analogous

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



23.9962, 0.2694, 0.2735



23.9962, 0.2984, 0.2782



23.9962, 0.3329, 0.2947

Triad

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



23.9962, 0.2984, 0.2782



23.9962, 0.3763, 0.3727



23.9962, 0.2641, 0.3361

Complementary

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



23.9962, 0.2984, 0.2782



32.5300, 0.3248, 0.3802

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.



23.9962, 0.2907, 0.3673



23.9962, 0.2984, 0.2782



23.9962, 0.3558, 0.3881

Square

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



23.9962, 0.2984, 0.2782



23.9962, 0.3793, 0.3475



23.9962, 0.3242, 0.3869



23.9962, 0.2504, 0.3047

Rectangle

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



23.9962, 0.2984, 0.2782



23.9962, 0.3542, 0.3106



23.9962, 0.3242, 0.3869



23.9962, 0.2717, 0.3471

Sweetspot

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



23.9972, 0.2984, 0.2782



57.0661, 0.3088, 0.3143



26.9101, 0.2819, 0.3018



12.3766, 0.3084, 0.3128



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.9972, 0.2984, 0.2782



39.7626, 0.2946, 0.2659



25.4303, 0.3155, 0.2815



6.6000, 0.3067, 0.3065



3.5086, 0.2105, 0.0933



0.0878, 0.2542, 0.1174

Inverse Universe

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



24.8946, 0.3337, 0.3058



41.7327, 0.3396, 0.3003



31.2953, 0.3097, 0.3816



6.6953, 0.3214, 0.3186



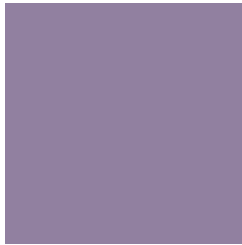
6.2261, 0.5046, 0.2554



0.1198, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 23.9962, 0.2984, 0.2782 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 23.9962, 0.2984, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

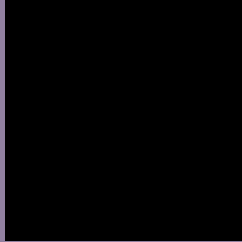
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9962, 0.2984, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 23.9962, 0.2984, 0.2782.



This preview shows how white text looks on a background with the Yxy color 23.9962, 0.2984, 0.2782.

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

23.9962, 0.2984, 0.2782

Protanopia

24.0446, 0.2772, 0.2779

Deuteranopia

23.8867, 0.2888, 0.2831



Tritanopia

23.9364, 0.3136, 0.3107

Trichromacy



Original Color

23.9962, 0.2984, 0.2782

Protanomaly

23.9453, 0.2840, 0.2769

Deuteranomaly

23.9574, 0.2929, 0.2820

Tritanomaly

23.9748, 0.3074, 0.2979

Monochromacy



Original Color

23.9962, 0.2984, 0.2782

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6700, 0.3080, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9962, 0.2984, 0.2782 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(145, 128, 160)` looks like.

```
.text, #text, p{  
    color:rgb(145, 128, 160)  
}
```

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(145, 128, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 128, 160) }
```

Border

The CSS property to change the border of an element to Yxy 23.9962, 0.2984, 0.2782 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(145, 128, 160) }
```

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

```
.border{ border-color:rgb(145, 128, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 128, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 128, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 128, 160);  
box-shadow:4px 4px 4px 4px rgb(145, 128,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9962, 0.2984, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 128, 160) }
```

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

```
.background{ background-color: rgb(145,  
128, 160) }
```

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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