

Converting Colors

$Y_{xy}(23.8681, 0.2728, 0.2498)$

Have a look what the booklet for
Yxy(23.8681, 0.2728, 0.2498)
contains.

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Color

Yxy(23.9711, 0.2732, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	8980B2
RGB	137, 128, 178
RGB Percent	54%, 50%, 70%
CMY	0.4628, 0.4980, 0.3019
CMYK	0.23, 0.28, 0.00, 0.30
HSL	251°, 25%, 60%
HSV	251°, 28%, 70%
XYZ	26.0705, 23.9711, 45.3848
YIQ	136.3910, -10.6860, 17.4580

Conversions

Conversions Part 2

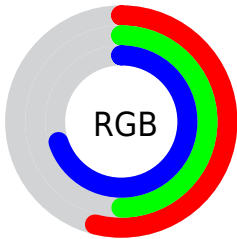
Format	Color
R_{YB}	137, 128, 178
Decimal	9011378
CIE _{Lab}	56.06, 14.27, -25.16
CIE _{LCh}	56, 28.924, 299.560
Yxy	23.9711, 0.2732, 0.2512
Android (android.graphics.Color)	4287201458 (0xFF8980B2)
YUV	136.3910, 20.5132, 0.5341
Hunter-Lab	48.9603, 9.3676, -20.6879

Details

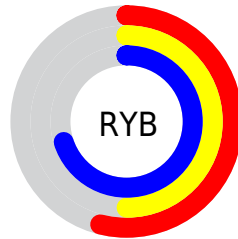
The Yxy color **23.9711, 0.2732, 0.2512** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.8503, 0.3459, 0.3999**, and the grayscale version is **24.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0646, 0.2817, 0.2668**, and **9.0511, 0.2584, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **18.5759, 0.2559, 0.2189**, and if you desaturate by 10%, it is **30.3502, 0.2889, 0.2814**.

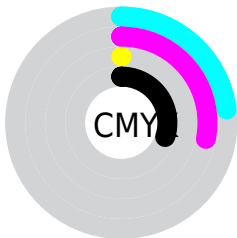
Distribution



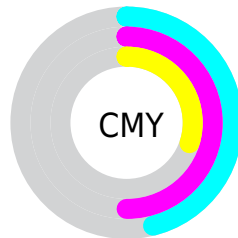
- Red (54%)
- Green (50%)
- Blue (70%)



- Red (54%)
- Yellow (50%)
- Blue (70%)



- Cyan (23%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (46%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.9711, 0.2732, 0.2512 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 23.9711, 0.2732, 0.2512 by changing the saturation by 10% instead.

■ 23.9711, 0.2732,
0.2512

■ 23.9711, 0.2732,
0.2512

272.6743, 0.2953,
0.2924

■ 15.3122, 0.2669,
0.2402

■ 49.9830, 0.2818,
0.2667

■ 9.0388, 0.2582,
0.2258

■ 68.1048, 0.2849,
0.2723

■ 4.7665, 0.2458,
0.2060

■ 90.1497, 0.2874,
0.2771

■ 2.1109, 0.2266,
0.1776

116.5021, 0.2895,
0.2811

■ 0.6708, 0.1950,
0.1315

147.5464, 0.2913,
0.2845

■ 0.0000, 0.0000,
0.0000

183.6669, 0.2928,

0.2875

225.2481, 0.2941,
0.2901

■ 23.9711, 0.2732,
0.2512

■ 23.9711, 0.2732,
0.2512

■ 18.5759, 0.2559,
0.2189

■ 30.3502, 0.2889,
0.2814

■ 14.1125, 0.2373,
0.1855

■ 37.7560, 0.3028,
0.3089

■ 10.5283, 0.2184,
0.1527

■ 46.2324, 0.3149,
0.3335

■ 7.7641, 0.1999,
0.1225

■ 55.8199, 0.3253,
0.3552

■ 5.7536, 0.1834,
0.0970

■ 66.5567, 0.3342,
0.3742

■ 4.4197, 0.1698,
0.0782

■ 78.4794, 0.3418,
0.3909

■ 3.6412, 0.1599,
0.0665

■ 91.6227, 0.3483,
0.4054

■ 3.5212, 0.1584,
0.0646

■ 95.7790, 0.3577,
0.4049

■ 95.9953, 0.3585,
0.4047

Harmonies

Analogous

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



23.9711, 0.2378, 0.2507



23.9711, 0.2732, 0.2512



23.9711, 0.3222, 0.2688

Triad

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



23.9711, 0.2732, 0.2512



23.9711, 0.4123, 0.3777



23.9711, 0.2539, 0.3582

Complementary

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



23.9711, 0.2732, 0.2512



41.8503, 0.3459, 0.3999

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.



23.9711, 0.2974, 0.4022



23.9711, 0.2732, 0.2512



23.9711, 0.3897, 0.4091

Square

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



23.9711, 0.2732, 0.2512



23.9711, 0.4062, 0.3383



23.9711, 0.3471, 0.4206



23.9711, 0.2272, 0.3080

Rectangle

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



23.9711, 0.2732, 0.2512



23.9711, 0.3564, 0.2883



23.9711, 0.3471, 0.4206



23.9711, 0.2669, 0.3746

Sweetspot

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



23.9721, 0.2732, 0.2512



68.3858, 0.3027, 0.3088



36.4378, 0.2713, 0.3163



14.6788, 0.3008, 0.3048



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.



23.9721, 0.2732, 0.2512



36.9100, 0.2621, 0.2304



26.2693, 0.2981, 0.2566



8.3010, 0.3012, 0.3057



2.5389, 0.1591, 0.0650



0.1019, 0.1838, 0.0786

Inverse Universe

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



27.7748, 0.3254, 0.2718



45.0535, 0.3290, 0.2584



39.3999, 0.3234, 0.4053



8.6201, 0.3164, 0.3105



8.2674, 0.3714, 0.1819



0.2670, 0.3550, 0.1730

Previews

White Background



This preview shows how the Yxy color 23.9711, 0.2732, 0.2512 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 23.9711, 0.2732, 0.2512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

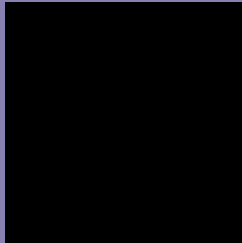
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9711, 0.2732, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 23.9711, 0.2732, 0.2512.



This preview shows how white text looks on a background with the Yxy color 23.9711, 0.2732, 0.2512.

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

23.9711, 0.2732, 0.2512

Protanopia

24.1455, 0.2551, 0.2506

Deuteranopia

23.9619, 0.2623, 0.2566



Tritanopia

23.9198, 0.2982, 0.3102

Trichromacy



Original Color

23.9711, 0.2732, 0.2512

Protanomaly

24.0044, 0.2608, 0.2498

Deuteranomaly

24.0741, 0.2668, 0.2558

Tritanomaly

23.9234, 0.2886, 0.2876

Monochromacy



Original Color

23.9711, 0.2732, 0.2512

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2437, 0.2977, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9711, 0.2732, 0.2512 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(137, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 128, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.9711, 0.2732, 0.2512 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(137, 128, 178) }
```

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

```
.border{ border-color:rgb(137, 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(137, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(137, 128,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9711, 0.2732, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 128, 178) }
```

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

```
.background{ background-color: rgb(137,  
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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