

Converting Colors

$Y_{xy}(23.9705, 0.2535, 0.2221)$

Have a look what the booklet for
Yxy(23.9705, 0.2535, 0.2221)
contains.

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Color

Yxy(23.9855, 0.2532, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	857EC6
RGB	133, 126, 198
RGB Percent	52%, 49%, 78%
CMY	0.4783, 0.5059, 0.2234
CMYK	0.33, 0.36, 0.00, 0.22
HSL	246°, 39%, 64%
HSV	246°, 36%, 78%
XYZ	27.3318, 23.9855, 56.6282
YIQ	136.3010, -18.9400, 23.8760

Conversions

Conversions Part 2

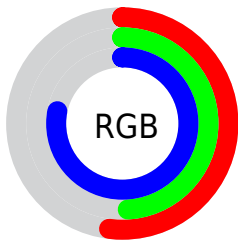
Format	Color
R_{YB}	133, 126, 198
Decimal	8748742
CIE _{Lab}	56.07, 19.36, -36.57
CIE _{LCh}	56, 41.383, 297.900
Yxy	23.9855, 0.2532, 0.2222
Android (android.graphics.Color)	4286938822 (0xFF857EC6)
YUV	136.3010, 30.4176, -2.8950
Hunter-Lab	48.9750, 13.9105, -34.2727

Details

The Yxy color **23.9855, 0.2532, 0.2222** is a light color, and the websafe version is hex **666699**. A complement of this color would be **52.9787, 0.3607, 0.4205**, and the grayscale version is **24.6302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1516, 0.2660, 0.2429**, and **9.0268, 0.2312, 0.1898** is the 20% darker color. If you saturate the color by 10%, you get **18.0810, 0.2333, 0.1878**, and if you desaturate by 10%, it is **31.1415, 0.2720, 0.2552**.

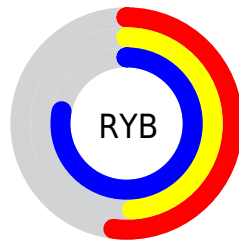
Distribution



Red (52%)

Green (49%)

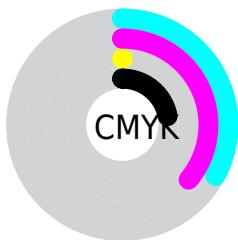
Blue (78%)



Red (52%)

Yellow (49%)

Blue (78%)

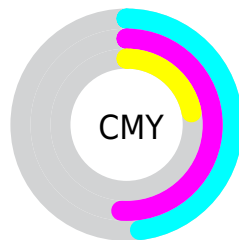


Cyan (33%)

Magenta (36%)

Yellow (0%)

Black (22%)



Cyan (48%)


Magenta (51%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9855, 0.2532, 0.2222 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 23.9855, 0.2532, 0.2222 by changing the saturation by 10% instead.


 23.9855, 0.2532,
0.2222


 23.9855, 0.2532,
0.2222


272.7472, 0.2861,
0.2773


 15.3229, 0.2441,
0.2082


 50.0065, 0.2658,
0.2424

 9.0463, 0.2319,
0.1904


 68.1337, 0.2704,
0.2500

 4.7714, 0.2150,
0.1668


 90.1846, 0.2741,
0.2564

 2.1138, 0.1903,
0.1351

116.5434, 0.2773,
0.2618

 0.6723, 0.1528,
0.0900

147.5947, 0.2800,
0.2665

 0.0000, 0.0226,
0.0000

183.7229, 0.2823,

 0.0000, 0.0000,

0.2705

0.0000

225.3122, 0.2843,
0.2741

■ 23.9855, 0.2532,
0.2222

■ 23.9855, 0.2532,
0.2222

■ 18.0810, 0.2333,
0.1878

■ 31.1415, 0.2720,
0.2552

■ 13.3532, 0.2130,
0.1536

■ 39.6125, 0.2890,
0.2857

■ 9.7239, 0.1938,
0.1221

■ 49.4609, 0.3041,
0.3131

■ 7.1038, 0.1770,
0.0955

■ 60.7442, 0.3173,
0.3374

■ 5.3898, 0.1639,
0.0761

■ 73.5169, 0.3286,
0.3587

■ 4.4514, 0.1553,
0.0646

■ 87.8304, 0.3384,
0.3772

■ 4.2202, 0.1531,
0.0617

■ 96.8582, 0.3466,
0.3850

Harmonies

Analogous

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



23.9855, 0.2075, 0.2215



23.9855, 0.2532, 0.2222



23.9855, 0.3207, 0.2448

Triad

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



23.9855, 0.2532, 0.2222



23.9855, 0.4541, 0.3891



23.9855, 0.2320, 0.3747

Complementary

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



23.9855, 0.2532, 0.2222



52.9787, 0.3607, 0.4205

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.



23.9855, 0.2923, 0.4404



23.9855, 0.2532, 0.2222



23.9855, 0.4216, 0.4371

Square

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



23.9855, 0.2532, 0.2222



23.9855, 0.4450, 0.3353



23.9855, 0.3617, 0.4616



23.9855, 0.1958, 0.2999

Rectangle

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



23.9855, 0.2532, 0.2222



23.9855, 0.3704, 0.2699



23.9855, 0.3617, 0.4616



23.9855, 0.2500, 0.3997

Sweetspot

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



23.9864, 0.2532, 0.2222



78.9027, 0.2971, 0.3004



46.2210, 0.2610, 0.3204



16.3785, 0.2950, 0.2966



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.



23.9864, 0.2532, 0.2222



33.6518, 0.2367, 0.1937



27.3233, 0.2863, 0.2314



10.3362, 0.2998, 0.3052



2.7612, 0.1537, 0.0620



0.1481, 0.1655, 0.0685

Inverse Universe

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



30.6889, 0.3240, 0.2476



47.3788, 0.3271, 0.2300



48.9727, 0.3309, 0.4301



10.7981, 0.3152, 0.3084



9.9222, 0.3469, 0.1685



0.4751, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 23.9855, 0.2532, 0.2222 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 23.9855, 0.2532, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

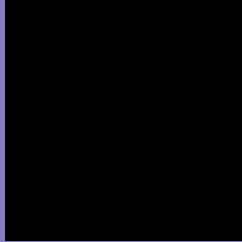
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9855, 0.2532, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 23.9855, 0.2532, 0.2222.



This preview shows how white text looks on a background with the Yxy color 23.9855, 0.2532, 0.2222.

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

23.9855, 0.2532, 0.2222

Protanopia

24.1293, 0.2327, 0.2205

Deuteranopia

23.9487, 0.2358, 0.2302



Tritanopia

23.8525, 0.2870, 0.3098

Trichromacy



Original Color

23.9855, 0.2532, 0.2222

Protanomaly

24.0339, 0.2395, 0.2214

Deuteranomaly

23.7784, 0.2413, 0.2259

Tritanomaly

23.6913, 0.2734, 0.2729

Monochromacy



Original Color

23.9855, 0.2532, 0.2222

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1566, 0.2888, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9855, 0.2532, 0.2222 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(133, 126, 198)` looks like.

```
.text, #text, p{  
    color:rgb(133, 126, 198)  
}
```

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(133, 126, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 126, 198) }
```

Border

The CSS property to change the border of an element to Yxy 23.9855, 0.2532, 0.2222 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(133, 126, 198) }
```

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

```
.border{ border-color:rgb(133, 126, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 126, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 126, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 126, 198);  
box-shadow:4px 4px 4px 4px rgb(133, 126,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9855, 0.2532, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 126, 198) }
```

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

```
.background{ background-color: rgb(133,  
126, 198) }
```

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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