

Converting Colors

$Y_{xy}(24.2870, 0.2515, 0.2231)$

Have a look what the booklet for
Yxy(24.2870, 0.2515, 0.2231)
contains.

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Color

Yxy(24.1276, 0.2509, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	837FC7
RGB	131, 127, 199
RGB Percent	51%, 50%, 78%
CMY	0.4863, 0.5019, 0.2196
CMYK	0.34, 0.36, 0.00, 0.22
HSL	243°, 39%, 64%
HSV	243°, 36%, 78%
XYZ	27.2563, 24.1276, 57.2501
YIQ	136.4040, -20.7280, 23.2400

Conversions

Conversions Part 2

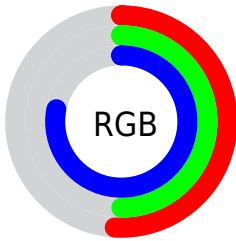
Format	Color
R_{YB}	131, 127, 199
Decimal	8617927
CIE _{Lab}	56.22, 18.45, -36.92
CIE _{LCh}	56, 41.268, 296.553
Yxy	24.1276, 0.2509, 0.2221
Android (android.graphics.Color)	4286808007 (0xFF837FC7)
YUV	136.4040, 30.8598, -4.7393
Hunter-Lab	49.1199, 13.0886, -34.7197

Details

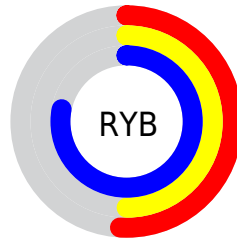
The Yxy color **24.1276, 0.2509, 0.2221** is a light color, and the websafe version is hex **666699**. A complement of this color would be **53.9811, 0.3631, 0.4192**, and the grayscale version is **24.6678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3016, 0.2647, 0.2438**, and **9.1128, 0.2284, 0.1896** is the 20% darker color. If you saturate the color by 10%, you get **18.1186, 0.2303, 0.1873**, and if you desaturate by 10%, it is **31.4259, 0.2704, 0.2554**.

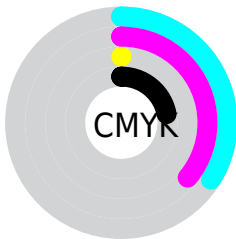
Distribution



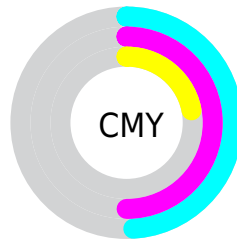
- Red (51%)
- Green (50%)
- Blue (78%)



- Red (51%)
- Yellow (50%)
- Blue (78%)



- Cyan (34%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1276, 0.2509, 0.2221 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 24.1276, 0.2509, 0.2221 by changing the saturation by 10% instead.

■ 24.1276, 0.2509,
0.2221

■ 24.1276, 0.2509,
0.2221

■ 273.4649, 0.2849,
0.2772

■ 15.4283, 0.2415,
0.2081

■ 50.2383, 0.2639,
0.2424

■ 9.1205, 0.2290,
0.1902

■ 68.4186, 0.2686,
0.2499

■ 4.8199, 0.2117,
0.1667

■ 90.5279, 0.2725,
0.2563

■ 2.1420, 0.1866,
0.1351

■ 116.9508, 0.2758,
0.2617

■ 0.6881, 0.1488,
0.0904

■ 148.0715, 0.2786,
0.2664

■ 0.0000, 0.0193,
0.0000

■ 184.2745, 0.2810,

■ 0.0000, 0.0000,

0.2705

0.0000

225.9442, 0.2831,
0.2741

■ 24.1276, 0.2509,
0.2221

■ 24.1276, 0.2509,
0.2221

■ 18.1186, 0.2303,
0.1873

■ 31.4259, 0.2704,
0.2554

■ 13.3212, 0.2096,
0.1527

■ 40.0794, 0.2882,
0.2861

■ 9.6540, 0.1902,
0.1208

■ 50.1530, 0.3040,
0.3136

■ 7.0241, 0.1735,
0.0940

■ 61.7065, 0.3178,
0.3379

■ 5.3240, 0.1610,
0.0747

■ 74.7962, 0.3297,
0.3590

■ 4.4190, 0.1534,
0.0637

■ 89.4756, 0.3400,
0.3773

■ 4.1945, 0.1516,
0.0609

■ 96.9033, 0.3460,
0.3840

Harmonies

Analogous

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



24.1276, 0.2065, 0.2225



24.1276, 0.2509, 0.2221



24.1276, 0.3173, 0.2437

Triad

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



24.1276, 0.2509, 0.2221



24.1276, 0.4540, 0.3866



24.1276, 0.2347, 0.3779

Complementary

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



24.1276, 0.2509, 0.2221



53.9811, 0.3631, 0.4192

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.



24.1276, 0.2955, 0.4419



24.1276, 0.2509, 0.2221



24.1276, 0.4233, 0.4349

Square

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



24.1276, 0.2509, 0.2221



24.1276, 0.4429, 0.3330



24.1276, 0.3646, 0.4607



24.1276, 0.1973, 0.3031

Rectangle

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



24.1276, 0.2509, 0.2221



24.1276, 0.3668, 0.2682



24.1276, 0.3646, 0.4607



24.1276, 0.2529, 0.4026

Sweetspot

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



24.1285, 0.2509, 0.2221



78.7070, 0.2963, 0.3003



47.8438, 0.2617, 0.3238



16.3323, 0.2941, 0.2965



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.



24.1285, 0.2509, 0.2221



34.1971, 0.2356, 0.1962



27.4761, 0.2841, 0.2313



10.3150, 0.2991, 0.3052



2.7098, 0.1520, 0.0611



0.1383, 0.1589, 0.0649

Inverse Universe

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



31.2629, 0.3208, 0.2447



48.4534, 0.3227, 0.2283



49.7893, 0.3328, 0.4289



10.8061, 0.3146, 0.3075



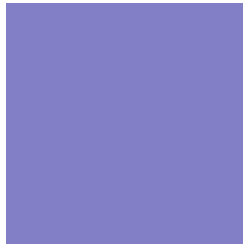
10.1465, 0.3351, 0.1620



0.4836, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 24.1276, 0.2509, 0.2221 looks on a white background.

Color Contrast Check

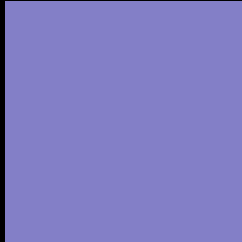
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1276, 0.2509, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

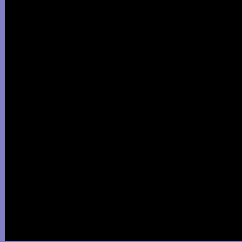
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1276, 0.2509, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 24.1276, 0.2509, 0.2221.



This preview shows how white text looks on a background with the Yxy color 24.1276, 0.2509, 0.2221.

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

24.1276, 0.2509, 0.2221

Protanopia

24.1293, 0.2327, 0.2205

Deuteranopia

24.3156, 0.2349, 0.2293



Tritanopia

24.0225, 0.2842, 0.3098

Trichromacy



Original Color

24.1276, 0.2509, 0.2221

Protanomaly

24.0811, 0.2388, 0.2202

Deuteranomaly

24.0228, 0.2401, 0.2261

Tritanomaly

23.8502, 0.2708, 0.2728

Monochromacy



Original Color

24.1276, 0.2509, 0.2221

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3466, 0.2879, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1276, 0.2509, 0.2221 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(131, 127, 199)` looks like.

```
.text, #text, p{  
    color:rgb(131, 127, 199)  
}
```

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(131, 127, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 127, 199) }
```

Border

The CSS property to change the border of an element to Yxy 24.1276, 0.2509, 0.2221 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(131, 127, 199) }
```

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

```
.border{ border-color:rgb(131, 127, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 127, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 127, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 127, 199);  
box-shadow:4px 4px 4px 4px rgb(131, 127,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1276, 0.2509, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 127, 199) }
```

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

```
.background{ background-color: rgb(131,  
127, 199) }
```

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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