

Converting Colors

$Y_{xy}(19.7320, 0.2630, 0.2208)$

Have a look what the booklet for
Yxy(19.7320, 0.2630, 0.2208)
contains.

Yxy(19.7498, 0.2624, 0.2206)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7498, 0.2624, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	8370B5
RGB	131, 112, 181
RGB Percent	51%, 44%, 71%
CMY	0.4863, 0.5607, 0.2902
CMYK	0.28, 0.38, 0.00, 0.29
HSL	257°, 32%, 57%
HSV	257°, 38%, 71%
XYZ	23.4921, 19.7498, 46.2858
YIQ	125.5470, -10.8250, 25.4870

Conversions

Conversions Part 2

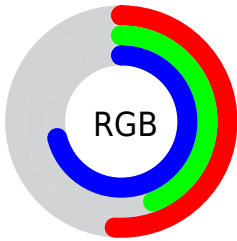
Format	Color
R_{YB}	131, 112, 181
Decimal	8614069
CIE _{Lab}	51.55, 22.61, -33.91
CIE _{LCh}	52, 40.755, 303.690
Yxy	19.7498, 0.2624, 0.2206
Android (android.graphics.Color)	4286804149 (0xFF8370B5)
YUV	125.5470, 27.3383, 4.7823
Hunter-Lab	44.4407, 16.5865, -30.6430

Details

The Yxy color **19.7498, 0.2624, 0.2206** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **41.8982, 0.3510, 0.4282**, and the grayscale version is **20.6109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9796, 0.2738, 0.2423**, and **6.8876, 0.2412, 0.1855** is the 20% darker color. If you saturate the color by 10%, you get **15.1675, 0.2456, 0.1883**, and if you desaturate by 10%, it is **25.2691, 0.2779, 0.2521**.

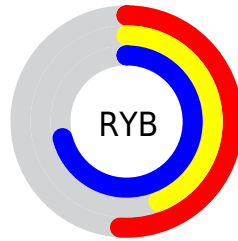
Distribution



Red (51%)

Green (44%)

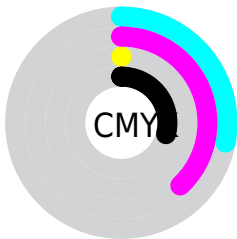
Blue (71%)



Red (51%)

Yellow (44%)

Blue (71%)

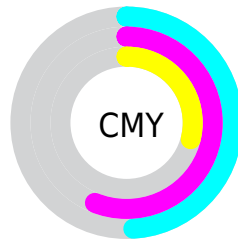


Cyan (28%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (49%)


Magenta (56%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7498, 0.2624, 0.2206 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 19.7498, 0.2624, 0.2206 by changing the saturation by 10% instead.


 19.7498, 0.2624,
0.2206

 19.7498, 0.2624,
0.2206


250.5574, 0.2914,
0.2779


 12.2133, 0.2538,
0.2056


 42.9973, 0.2739,
0.2420


 6.8891, 0.2420,
0.1860


 59.4771, 0.2780,
0.2499

 3.3929, 0.2248,
0.1598

 79.7068, 0.2812,
0.2565

 1.3401, 0.1983,
0.1237

 104.0708, 0.2840,
0.2621

 0.1719, 0.1595,
0.0383

132.9534, 0.2863,
0.2669

 0.0000, 0.0000,
0.0000

166.7391, 0.2882,

0.2711

205.8123, 0.2899,
0.2747

■ 19.7498, 0.2624,
0.2206

■ 19.7498, 0.2624,
0.2206

■ 15.1675, 0.2456,
0.1883

■ 25.2691, 0.2779,
0.2521

■ 11.4666, 0.2282,
0.1566

■ 31.7722, 0.2918,
0.2817

■ 8.5890, 0.2108,
0.1274

■ 39.3053, 0.3040,
0.3089

■ 6.4685, 0.1946,
0.1026

■ 47.9111, 0.3146,
0.3334

■ 5.0282, 0.1805,
0.0839

■ 57.6300, 0.3237,
0.3553

■ 4.1470, 0.1692,
0.0716

■ 68.5000, 0.3314,
0.3747

■ 4.0085, 0.1674,
0.0696

■ 80.5575, 0.3379,
0.3917

■ 92.6805, 0.3438,
0.4051

■ 95.0089, 0.3527,
0.4028

Harmonies

Analogous

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



19.7498, 0.2100, 0.2150



19.7498, 0.2624, 0.2206



19.7498, 0.3360, 0.2480

Triad

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



19.7498, 0.2624, 0.2206



19.7498, 0.4571, 0.4015



19.7498, 0.2186, 0.3611

Complementary

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



19.7498, 0.2624, 0.2206



41.8982, 0.3510, 0.4282

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.



19.7498, 0.2773, 0.4362



19.7498, 0.2624, 0.2206



19.7498, 0.4157, 0.4494

Square

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



19.7498, 0.2624, 0.2206



19.7498, 0.4573, 0.3457



19.7498, 0.3496, 0.4687



19.7498, 0.1868, 0.2849

Rectangle

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



19.7498, 0.2624, 0.2206



19.7498, 0.3876, 0.2759



19.7498, 0.3496, 0.4687



19.7498, 0.2356, 0.3884

Sweetspot

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



19.7506, 0.2624, 0.2206



66.0575, 0.3004, 0.3008



32.8330, 0.2563, 0.3000



13.8834, 0.2988, 0.2972



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.



19.7506, 0.2624, 0.2206



28.1770, 0.2480, 0.1926



22.9148, 0.2989, 0.2312



8.3395, 0.3026, 0.3058



2.7939, 0.1684, 0.0702



0.1176, 0.2001, 0.0876

Inverse Universe

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



24.0228, 0.3389, 0.2595



37.0951, 0.3469, 0.2443



38.8123, 0.3205, 0.4385



8.6060, 0.3178, 0.3126



7.9181, 0.4039, 0.1999



0.2584, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 19.7498, 0.2624, 0.2206 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 19.7498, 0.2624, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

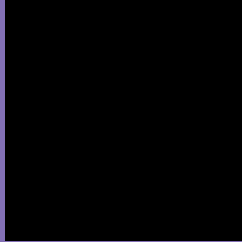
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7498, 0.2624, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 19.7498, 0.2624, 0.2206.



This preview shows how white text looks on a background with the Yxy color 19.7498, 0.2624, 0.2206.

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

19.7498, 0.2624, 0.2206

Protanopia

19.9582, 0.2306, 0.2185

Deuteranopia

19.8831, 0.2376, 0.2321



Tritanopia

19.7226, 0.3016, 0.3106

Trichromacy



Original Color

19.7498, 0.2624, 0.2206

Protanomaly

19.8392, 0.2416, 0.2199

Deuteranomaly

19.6317, 0.2452, 0.2263

Tritanomaly

19.5188, 0.2859, 0.2730

Monochromacy



Original Color

19.7498, 0.2624, 0.2206

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3393, 0.2936, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7498, 0.2624, 0.2206 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, 112, 181)` looks like.

```
.text, #text, p{  
    color:rgb(131, 112, 181)  
}
```

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, 112, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 112, 181) }
```

Border

The CSS property to change the border of an element to Yxy 19.7498, 0.2624, 0.2206 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, 112, 181) }
```

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

```
.border{ border-color:rgb(131, 112, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 112, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 112, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 112, 181);  
box-shadow:4px 4px 4px 4px rgb(131, 112,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7498, 0.2624, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 112, 181) }
```

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

```
.background{ background-color: rgb(131,  
112, 181) }
```

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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