

Converting Colors

$Y_{xy}(19.7490, 0.2740, 0.2285)$

Have a look what the booklet for
Yxy(19.7490, 0.2740, 0.2285)
contains.

Yxy(19.7824, 0.2740, 0.2283)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7824, 0.2740, 0.2283)

Conversions

Conversions Part 1

Format	Color
Hex	896FAF
RGB	137, 111, 175
RGB Percent	54%, 44%, 69%
CMY	0.4626, 0.5647, 0.3137
CMYK	0.22, 0.37, 0.00, 0.31
HSL	264°, 29%, 56%
HSV	264°, 37%, 69%
XYZ	23.7423, 19.7824, 43.1262
YIQ	126.0700, -5.0480, 25.4160

Conversions

Conversions Part 2

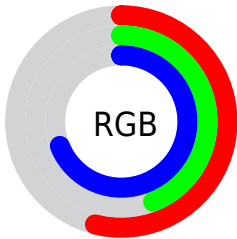
Format	Color
R_{YB}	137, 111, 175
Decimal	9007023
CIE _{Lab}	51.59, 23.56, -30.34
CIE _{LCh}	52, 38.414, 307.824
Yxy	19.7824, 0.2740, 0.2283
Android (android.graphics.Color)	4287197103 (0xFF896FAF)
YUV	126.0700, 24.1225, 9.5856
Hunter-Lab	44.4774, 17.4491, -26.3545

Details

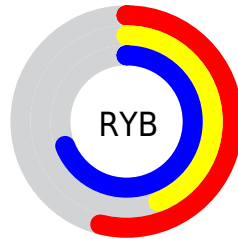
The Yxy color $19.7824, 0.2740, 0.2283$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $38.1955, 0.3415, 0.4264$, and the grayscale version is $20.8080, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.0403, 0.2827, 0.2483$, and $6.9386, 0.2583, 0.1964$ is the 20% darker color. If you saturate the color by 10%, you get $15.4955, 0.2603, 0.1977$, and if you desaturate by 10%, it is $24.9035, 0.2865, 0.2582$.

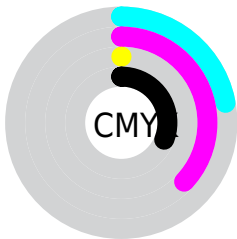
Distribution



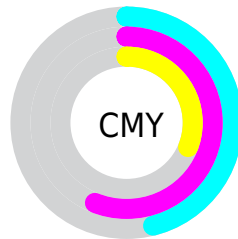
- Red (54%)
- Green (44%)
- Blue (69%)



- Red (54%)
- Yellow (44%)
- Blue (69%)



- Cyan (22%)
- Magenta (37%)
- Yellow (0%)
- Black (31%)



- Cyan (46%)
- Magenta (56%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7824, 0.2740, 0.2283 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 19.7824, 0.2740, 0.2283 by changing the saturation by 10% instead.

■ 19.7824, 0.2740,
0.2283

■ 19.7824, 0.2740,
0.2283

250.7347, 0.2967,
0.2818

■ 12.2370, 0.2671,
0.2141

■ 43.0521, 0.2831,
0.2484

■ 6.9053, 0.2574,
0.1955

■ 59.5451, 0.2863,
0.2558

■ 3.4029, 0.2431,
0.1702

■ 79.7894, 0.2888,
0.2619

■ 1.3455, 0.2203,
0.1348

■ 104.1695, 0.2909,
0.2671

■ 0.1761, 0.1876,
0.0445

133.0696, 0.2927,
0.2716

■ 0.0000, 0.0000,
0.0000

166.8743, 0.2942,

0.2754

205.9678, 0.2955,
0.2788

■ 19.7824, 0.2740,
0.2283

■ 19.7824, 0.2740,
0.2283

■ 15.4955, 0.2603,
0.1977

■ 24.9035, 0.2865,
0.2582

■ 11.9941, 0.2456,
0.1677

■ 30.8989, 0.2975,
0.2866

■ 9.2281, 0.2305,
0.1399

■ 37.8092, 0.3071,
0.3129

■ 7.1403, 0.2157,
0.1158

■ 45.6714, 0.3154,
0.3370

■ 5.6646, 0.2019,
0.0968

■ 54.5207, 0.3224,
0.3586

■ 4.7106, 0.1898,
0.0837

■ 64.3902, 0.3283,
0.3780

■ 4.4418, 0.1859,
0.0798

■ 75.3117, 0.3333,
0.3952

■ 87.3156, 0.3374,
0.4105

■ 91.5158, 0.3436,
0.4122

Harmonies

Analogous

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



19.7824, 0.2206, 0.2201



19.7824, 0.2740, 0.2283



19.7824, 0.3451, 0.2570

Triad

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



19.7824, 0.2740, 0.2283



19.7824, 0.4461, 0.4057



19.7824, 0.2179, 0.3488

Complementary

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



19.7824, 0.2740, 0.2283



38.1955, 0.3415, 0.4264

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.



19.7824, 0.2709, 0.4212



19.7824, 0.2740, 0.2283



19.7824, 0.4032, 0.4479

Square

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



19.7824, 0.2740, 0.2283



19.7824, 0.4517, 0.3531



19.7824, 0.3388, 0.4590



19.7824, 0.1911, 0.2797

Rectangle

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



19.7824, 0.2740, 0.2283



19.7824, 0.3928, 0.2851



19.7824, 0.3388, 0.4590



19.7824, 0.2329, 0.3745

Sweetspot

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



19.7832, 0.2740, 0.2283



61.7954, 0.3029, 0.3011



28.0957, 0.2565, 0.2871



13.3724, 0.3016, 0.2976



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



19.7832, 0.2740, 0.2283



29.0388, 0.2628, 0.2033



22.8535, 0.3095, 0.2382



7.9103, 0.3047, 0.3060



3.2148, 0.1871, 0.0804



0.1219, 0.2239, 0.1007

Inverse Universe

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



22.6504, 0.3480, 0.2738



35.0846, 0.3591, 0.2616



35.6182, 0.3129, 0.4356



8.0921, 0.3197, 0.3156



7.2524, 0.4542, 0.2276



0.2122, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 19.7824, 0.2740, 0.2283 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 19.7824, 0.2740, 0.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

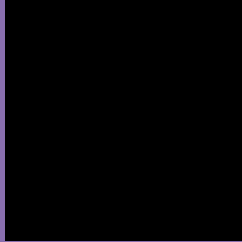
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7824, 0.2740, 0.2283

Background



This preview shows how black text looks on a background with the Yxy color 19.7824, 0.2740, 0.2283.



This preview shows how white text looks on a background with the Yxy color 19.7824, 0.2740, 0.2283.

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

19.7824, 0.2740, 0.2283

Protanopia

19.9184, 0.2362, 0.2255

Deuteranopia

20.0004, 0.2470, 0.2417



Tritanopia

19.7118, 0.3123, 0.3110

Trichromacy



Original Color

19.7824, 0.2740, 0.2283

Protanomaly

19.6627, 0.2486, 0.2256

Deuteranomaly

19.7948, 0.2555, 0.2357

Tritanomaly

19.7034, 0.2981, 0.2789

Monochromacy



Original Color

19.7824, 0.2740, 0.2283

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4342, 0.2980, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7824, 0.2740, 0.2283 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, 111, 175)` looks like.

```
.text, #text, p{  
    color:rgb(137, 111, 175)  
}
```

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, 111, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 111, 175) }
```

Border

The CSS property to change the border of an element to Yxy 19.7824, 0.2740, 0.2283 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, 111, 175) }
```

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

```
.border{ border-color:rgb(137, 111, 175) }
```

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

Here you see how a box with a 4 pixel rgb(137, 111, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 111, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 111, 175);  
box-shadow:4px 4px 4px 4px rgb(137, 111,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7824, 0.2740, 0.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 111, 175) }
```

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

```
.background{ background-color: rgb(137,  
111, 175) }
```

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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