

Converting Colors

$Y_{xy}(22.8625, 0.3019, 0.3492)$

Have a look what the booklet for
Yxy(22.8625, 0.3019, 0.3492)
contains.

Yxy(22.8020, 0.3019, 0.3493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8020, 0.3019, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	74887D
RGB	116, 136, 125
RGB Percent	45%, 53%, 49%
CMY	0.5451, 0.4666, 0.5097
CMYK	0.15, 0.00, 0.08, 0.47
HSL	147°, 8%, 49%
HSV	147°, 15%, 53%
XYZ	19.7078, 22.8020, 22.7694
YIQ	128.7660, -8.3890, -7.6610

Conversions

Conversions Part 2

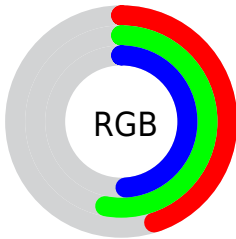
Format	Color
RYB	116, 130, 136
Decimal	7637117
CIELab	54.87, -9.53, 3.47
CIElCh	55, 10.139, 159.961
Yxy	22.8020, 0.3019, 0.3493
Android (android.graphics.Color)	4285827197 (0xFF74887D)
YUV	128.7660, -1.8566, -11.1958
Hunter-Lab	47.7514, -9.8953, 5.1547

Details

The Yxy color $22.8020, 0.3019, 0.3493$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $19.2545, 0.3252, 0.3095$, and the grayscale version is $21.8757, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9344, 0.3039, 0.3437$, and $8.4063, 0.2984, 0.3575$ is the 20% darker color. If you saturate the color by 10%, you get $21.7545, 0.2948, 0.3650$, and if you desaturate by 10%, it is $24.0022, 0.3092, 0.3351$.

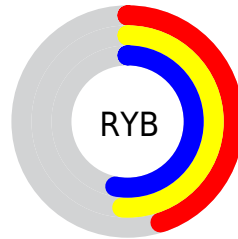
Distribution



Red (45%)

Green (53%)

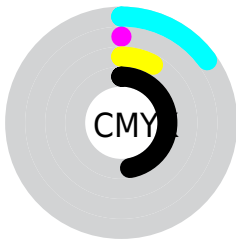
Blue (49%)



Red (45%)

Yellow (51%)

Blue (53%)

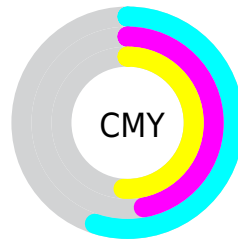


Cyan (15%)

Magenta (0%)

Yellow (8%)

Black (47%)



Cyan (55%)

Magenta (47%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8020, 0.3019, 0.3493 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 22.8020, 0.3019, 0.3493 by changing the saturation by 10% instead.

■ 22.8020, 0.3019,
0.3493

■ 22.8020, 0.3019,
0.3493

266.7064, 0.3080,
0.3378

■ 14.4474, 0.3001,
0.3527

■ 48.0680, 0.3043,
0.3447

■ 8.4325, 0.2975,
0.3576

■ 65.7482, 0.3052,
0.3431

■ 4.3729, 0.2936,
0.3650

■ 87.3057, 0.3059,
0.3418

■ 1.8843, 0.2870,
0.3774

113.1248, 0.3064,
0.3408

■ 0.5389, 0.2406,
0.4636

143.5901, 0.3069,
0.3399

■ 0.0000, 0.0000,
0.0000

179.0858, 0.3073,

0.3391

219.9965, 0.3077,
0.3384

■ 22.8020, 0.3019,
0.3493

■ 22.8020, 0.3019,
0.3493

■ 21.7545, 0.2948,
0.3650

■ 24.0022, 0.3092,
0.3351

■ 20.8506, 0.2883,
0.3823

■ 25.3582, 0.3166,
0.3225

■ 20.0847, 0.2825,
0.4009

■ 26.8763, 0.3240,
0.3113

■ 19.4494, 0.2777,
0.4207

■ 28.5619, 0.3311,
0.3014

■ 18.9370, 0.2743,
0.4414

■ 30.4200, 0.3380,
0.2928

■ 18.5387, 0.2726,
0.4623

■ 32.4553, 0.3446,
0.2852

■ 18.2445, 0.2727,
0.4828

■ 34.6726, 0.3509,
0.2785

■ 18.0410, 0.2745,
0.5025

■ 37.0761, 0.3569,
0.2727

■ 17.9503, 0.2757,
0.5125

■ 39.6703, 0.3625,
0.2676

Harmonies

Analogous

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



22.8020, 0.3199, 0.3591



22.8020, 0.3019, 0.3493



22.8020, 0.2871, 0.3337

Triad

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



22.8020, 0.3019, 0.3493



22.8020, 0.2891, 0.2989



22.8020, 0.3476, 0.3391

Complementary

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



22.8020, 0.3019, 0.3493



19.2545, 0.3252, 0.3095

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.



22.8020, 0.3388, 0.3237



22.8020, 0.3019, 0.3493



22.8020, 0.3047, 0.3010

Square

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



22.8020, 0.3019, 0.3493



22.8020, 0.2798, 0.3047



22.8020, 0.3230, 0.3099



22.8020, 0.3466, 0.3525

Rectangle

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



22.8020, 0.3019, 0.3493



22.8020, 0.2808, 0.3225



22.8020, 0.3230, 0.3099



22.8020, 0.3457, 0.3340

Sweetspot

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



22.8030, 0.3019, 0.3493



42.4382, 0.3097, 0.3343



23.3822, 0.3234, 0.3652



9.7927, 0.3092, 0.3352



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.8030, 0.3019, 0.3493



39.4735, 0.2993, 0.3549



23.0713, 0.2922, 0.3308



5.6433, 0.3059, 0.3413



16.9899, 0.2756, 0.5121



0.1158, 0.2531, 0.4311

Inverse Universe

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



19.2545, 0.3252, 0.3095



31.8522, 0.3288, 0.3045



19.0068, 0.3376, 0.3273



5.0915, 0.3201, 0.3171



5.4324, 0.4701, 0.2363



0.0390, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 22.8020, 0.3019, 0.3493 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 22.8020, 0.3019, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

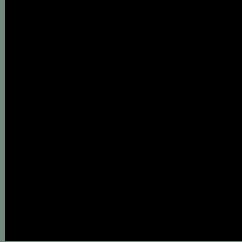
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

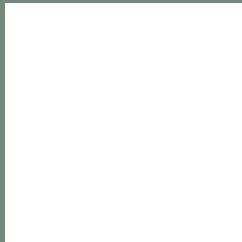
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8020, 0.3019, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 22.8020, 0.3019, 0.3493.



This preview shows how white text looks on a background with the Yxy color 22.8020, 0.3019, 0.3493.

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

22.8020, 0.3019, 0.3493

Protanopia

22.8720, 0.3284, 0.3448

Deuteranopia

22.7308, 0.3344, 0.3291



Tritanopia

22.7106, 0.2865, 0.3094

Trichromacy



Original Color

22.8020, 0.3019, 0.3493

Protanomaly

22.8722, 0.3187, 0.3469

Deuteranomaly

22.5400, 0.3217, 0.3361

Tritanomaly

22.7079, 0.2922, 0.3235

Monochromacy



Original Color

22.8020, 0.3019, 0.3493

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.3461, 0.3078, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8020, 0.3019, 0.3493 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(116, 136, 125)` looks like.

```
.text, #text, p{  
    color:rgb(116, 136, 125)  
}
```

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(116, 136, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 136, 125) }
```

Border

The CSS property to change the border of an element to Yxy 22.8020, 0.3019, 0.3493 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(116, 136, 125) }
```

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

```
.border{ border-color:rgb(116, 136, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 136, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 136, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 136, 125);  
box-shadow:4px 4px 4px 4px rgb(116, 136,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8020, 0.3019, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 136, 125) }
```

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

```
.background{ background-color: rgb(116,  
136, 125) }
```

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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