

Converting Colors

$Y_{xy}(24.4460, 0.2867, 0.3732)$

Have a look what the booklet for
Yxy(24.4460, 0.2867, 0.3732)
contains.

Yxy(24.5596, 0.2872, 0.3747)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(24.5596, 0.2872, 0.3747)$

Conversions

Conversions Part 1

Format	Color
Hex	62927A
RGB	98, 146, 122
RGB Percent	38%, 57%, 48%
CMY	0.6159, 0.4274, 0.5216
CMYK	0.33, 0.00, 0.16, 0.43
HSL	150°, 20%, 48%
HSV	150°, 33%, 57%
XYZ	18.8244, 24.5596, 22.1607
YIQ	128.9120, -20.9040, -17.6400

Conversions

Conversions Part 2

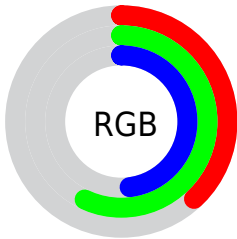
Format	Color
R_{YB}	98, 130, 146
Decimal	6460026
CIE _{Lab}	56.64, -21.67, 7.60
CIE _{LCh}	57, 22.965, 160.665
Yxy	24.5596, 0.2872, 0.3747
Android (android.graphics.Color)	4284650106 (0xFF62927A)
YUV	128.9120, -3.4076, -27.1098
Hunter-Lab	49.5576, -18.9228, 8.1777

Details

The Yxy color $24.5596, 0.2872, 0.3747$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.2418, 0.3494, 0.2876$, and the grayscale version is $21.9349, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.8486, 0.2931, 0.3647$, and $9.3184, 0.2776, 0.3942$ is the 20% darker color. If you saturate the color by 10%, you get $23.6475, 0.2807, 0.3915$, and if you desaturate by 10%, it is $25.6354, 0.2945, 0.3592$.

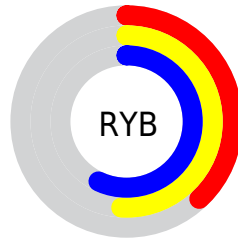
Distribution



Red (38%)

Green (57%)

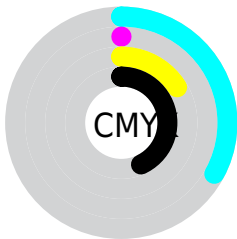
Blue (48%)



Red (38%)

Yellow (51%)

Blue (57%)

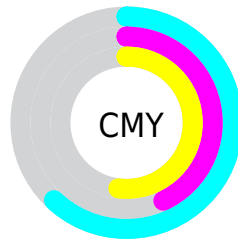


Cyan (33%)

Magenta (0%)

Yellow (16%)

Black (43%)



Cyan (62%)


Magenta (43%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5596, 0.2872, 0.3747 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 24.5596, 0.2872, 0.3747 by changing the saturation by 10% instead.


 24.5596, 0.2872,
0.3747


 24.5596, 0.2872,
0.3747


275.6376, 0.3016,
0.3487

 15.7492, 0.2829,
0.3825


 50.9419, 0.2929,
0.3644


 9.3469, 0.2768,
0.3936


 69.2826, 0.2949,
0.3608

 4.9681, 0.2677,
0.4103

 91.5688, 0.2966,
0.3578

 2.2286, 0.2524,
0.4386

 118.1851, 0.2979,
0.3554

 0.7355, 0.1448,
0.6260

149.5157, 0.2991,
0.3533

 0.0000, 0.0000,
0.0000

185.9450, 0.3001,

0.3516

227.8575, 0.3009,
0.3500

■ 24.5596, 0.2872,
0.3747

■ 24.5596, 0.2872,
0.3747

■ 23.6475, 0.2807,
0.3915

■ 25.6354, 0.2945,
0.3592

■ 22.8878, 0.2753,
0.4094

■ 26.8796, 0.3023,
0.3451

■ 22.2723, 0.2713,
0.4281

■ 28.3006, 0.3103,
0.3324

■ 21.7909, 0.2690,
0.4472

■ 29.9050, 0.3185,
0.3211

■ 21.4319, 0.2685,
0.4663

■ 31.6994, 0.3266,
0.3111

■ 21.1819, 0.2699,
0.4848

■ 33.6898, 0.3345,
0.3022

■ 21.0437, 0.2715,
0.4975

■ 35.8821, 0.3421,
0.2944

■ 38.2819, 0.3494,
0.2876

■ 40.8946, 0.3564,
0.2817

Harmonies

Analogous

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



24.5596, 0.3262, 0.3976



24.5596, 0.2872, 0.3747



24.5596, 0.2563, 0.3375

Triad

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



24.5596, 0.2872, 0.3747



24.5596, 0.2619, 0.2646



24.5596, 0.3907, 0.3495

Complementary

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



24.5596, 0.2872, 0.3747



16.2418, 0.3494, 0.2876

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.



24.5596, 0.3715, 0.3172



24.5596, 0.2872, 0.3747



24.5596, 0.2953, 0.2701

Square

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



24.5596, 0.2872, 0.3747



24.5596, 0.2425, 0.2747



24.5596, 0.3357, 0.2889



24.5596, 0.3873, 0.3792

Rectangle

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



24.5596, 0.2872, 0.3747



24.5596, 0.2439, 0.3120



24.5596, 0.3357, 0.2889



24.5596, 0.3867, 0.3386

Sweetspot

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



24.5606, 0.2872, 0.3747



48.0591, 0.3044, 0.3416



25.5787, 0.3335, 0.4160



10.6242, 0.3034, 0.3432



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.5606, 0.2872, 0.3747



42.0257, 0.2820, 0.3878



25.2312, 0.2672, 0.3289



6.5139, 0.3052, 0.3403



18.5195, 0.2713, 0.4966



0.2326, 0.2497, 0.4188

Inverse Universe

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



16.2418, 0.3494, 0.2876



24.8719, 0.3617, 0.2775



15.7186, 0.3858, 0.3292



5.8608, 0.3209, 0.3180



5.8048, 0.4911, 0.2479



0.0770, 0.4036, 0.1997

Previews

White Background



This preview shows how the Yxy color 24.5596, 0.2872, 0.3747 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 24.5596, 0.2872, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

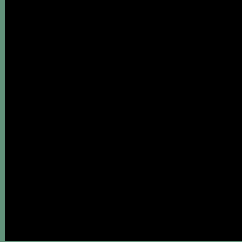
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5596, 0.2872, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 24.5596, 0.2872, 0.3747.



This preview shows how white text looks on a background with the Yxy color 24.5596, 0.2872, 0.3747.

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

24.5596, 0.2872, 0.3747

Protanopia

24.3397, 0.3412, 0.3615

Deuteranopia

24.3887, 0.3442, 0.3389



Tritanopia

24.6492, 0.2667, 0.3094

Trichromacy



Original Color

24.5596, 0.2872, 0.3747

Protanomaly

24.2089, 0.3197, 0.3667

Deuteranomaly

23.9691, 0.3207, 0.3501

Tritanomaly

24.4227, 0.2733, 0.3307

Monochromacy



Original Color

24.5596, 0.2872, 0.3747

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.6859, 0.3031, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5596, 0.2872, 0.3747 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(98, 146, 122)` looks like.

```
.text, #text, p{  
    color:rgb(98, 146, 122)  
}
```

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(98, 146, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 146, 122) }
```

Border

The CSS property to change the border of an element to Yxy 24.5596, 0.2872, 0.3747 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(98, 146, 122) }
```

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

```
.border{ border-color:rgb(98, 146, 122) }
```

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

Here you see how a box with a 4 pixel rgb(98, 146, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 146, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 146, 122);  
box-shadow:4px 4px 4px 4px rgb(98, 146,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5596, 0.2872, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 146, 122) }
```

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

```
.background{ background-color: rgb(98, 146,  
122) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor