

Converting Colors

$Y_{xy}(23.9661, 0.2454, 0.3794)$

Have a look what the booklet for
Yxy(23.9661, 0.2454, 0.3794)
contains.

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Color

Yxy(23.9797, 0.2458, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	22977E
RGB	34, 151, 126
RGB Percent	13%, 59%, 49%
CMY	0.8669, 0.4078, 0.5059
CMYK	0.78, 0.00, 0.17, 0.41
HSL	167°, 63%, 36%
HSV	167°, 78%, 59%
XYZ	15.4907, 23.9797, 23.5512
YIQ	113.1670, -61.7070, -32.5790

Conversions

Conversions Part 2

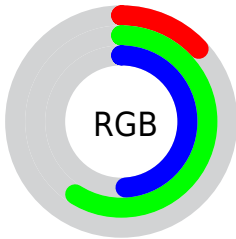
Format	Color
RYB	34, 99, 151
Decimal	2267006
CIELab	56.07, -37.52, 4.20
CIELCh	56, 37.754, 173.614
Yxy	23.9797, 0.2458, 0.3805
Android (android.graphics.Color)	4280457086 (0xFF22977E)
YUV	113.1670, 6.3267, -69.4295
Hunter-Lab	48.9691, -29.2298, 5.7635

Details

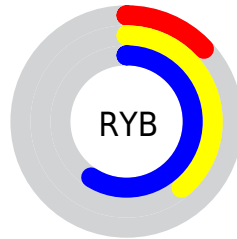
The Yxy color **23.9797, 0.2458, 0.3805** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0358, 0.5212, 0.2966**, and the grayscale version is **16.5557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0499, 0.2602, 0.3684**, and **9.4595, 0.2437, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **23.6965, 0.2440, 0.3882**, and if you desaturate by 10%, it is **24.3802, 0.2495, 0.3729**.

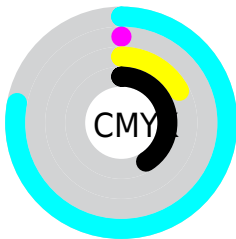
Distribution



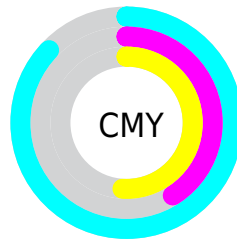
- Red (13%)
- Green (59%)
- Blue (49%)



- Red (13%)
- Yellow (39%)
- Blue (59%)



- Cyan (78%)
- Magenta (0%)
- Yellow (17%)
- Black (41%)





- Cyan (87%)
- Magenta (41%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9797, 0.2458, 0.3805 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 23.9797, 0.2458, 0.3805 by changing the saturation by 10% instead.


 23.9797, 0.2458,
0.3805


 23.9797, 0.2458,
0.3805


272.7178, 0.2830,
0.3514


 15.3186, 0.2351,
0.3892


 49.9971, 0.2603,
0.3690

 9.0433, 0.2203,
0.4013


 68.1221, 0.2655,
0.3649

 4.7694, 0.1988,
0.4194

 90.1705, 0.2697,
0.3616

 2.1126, 0.1648,
0.4493

 116.5268, 0.2732,
0.3589

 0.6717, 0.0000,
0.6054

 147.5753, 0.2762,
0.3566

 0.0000, 0.0000,
0.0000

 183.7003, 0.2788,

0.3546

225.2864, 0.2810,
0.3529

■ 23.9797, 0.2458,
0.3805

■ 23.9797, 0.2458,
0.3805

■ 23.6965, 0.2440,
0.3882

■ 24.3802, 0.2495,
0.3729

■ 23.5045, 0.2438,
0.3958

■ 24.9083, 0.2550,
0.3653

■ 23.4611, 0.2438,
0.3977

■ 25.5763, 0.2623,
0.3581

■ 26.3943, 0.2710,
0.3511

■ 27.3715, 0.2810,
0.3445

■ 28.5162, 0.2919,
0.3385

■ 29.8364, 0.3036,
0.3329

■ 31.3392, 0.3158,
0.3278

■ 33.0317, 0.3281,
0.3232

Harmonies

Analogous

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



23.9797, 0.3037, 0.4352



23.9797, 0.2458, 0.3805



23.9797, 0.2082, 0.3121

Triad

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



23.9797, 0.2458, 0.3805



23.9797, 0.2508, 0.2288



23.9797, 0.4436, 0.3787

Complementary

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



23.9797, 0.2458, 0.3805



8.0358, 0.5212, 0.2966

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.



23.9797, 0.4288, 0.3287



23.9797, 0.2458, 0.3805



23.9797, 0.3107, 0.2471

Square

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



23.9797, 0.2458, 0.3805



23.9797, 0.2114, 0.2317



23.9797, 0.3779, 0.2824



23.9797, 0.4193, 0.4237

Rectangle

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



23.9797, 0.2458, 0.3805



23.9797, 0.1976, 0.2741



23.9797, 0.3779, 0.2824



23.9797, 0.4432, 0.3621

Sweetspot

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



23.9806, 0.2458, 0.3805



49.8106, 0.2853, 0.3420



23.1894, 0.3163, 0.5567



11.1710, 0.2817, 0.3441



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.9806, 0.2458, 0.3805



42.1755, 0.2438, 0.3938



15.4923, 0.2124, 0.2591



7.0039, 0.3016, 0.3338



19.9615, 0.2437, 0.3972



0.3035, 0.2343, 0.3633

Inverse Universe

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



8.0358, 0.5212, 0.2966



12.3447, 0.5844, 0.3051



10.7224, 0.5273, 0.3753



6.2432, 0.3251, 0.3243



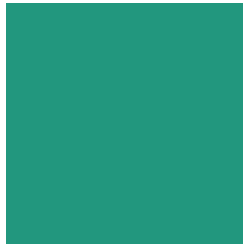
5.6907, 0.5988, 0.3073



0.0896, 0.5020, 0.2539

Previews

White Background



This preview shows how the Yxy color 23.9797, 0.2458, 0.3805 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 23.9797, 0.2458, 0.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

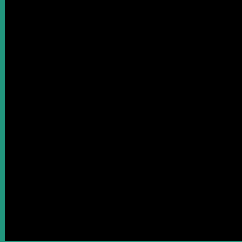
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9797, 0.2458, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 23.9797, 0.2458, 0.3805.

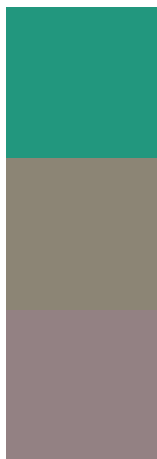


This preview shows how white text looks on a background with the Yxy color 23.9797, 0.2458, 0.3805.

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

23.9797, 0.2458, 0.3805

Protanopia

23.6349, 0.3383, 0.3567

Deuteranopia

23.5423, 0.3318, 0.3257



Tritanopia

23.7833, 0.2306, 0.3061

Trichromacy



Original Color

23.9797, 0.2458, 0.3805



Protanomaly

22.8789, 0.2914, 0.3676



Deuteranomaly

22.5405, 0.2877, 0.3440



Tritanomaly

23.8360, 0.2360, 0.3327

Monochromacy



Original Color

23.9797, 0.2458, 0.3805



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.3716, 0.2749, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9797, 0.2458, 0.3805 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(34, 151, 126)` looks like.

```
.text, #text, p{  
  color:rgb(34, 151, 126)  
}
```

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(34, 151, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 151, 126) }
```

Border

The CSS property to change the border of an element to Yxy 23.9797, 0.2458, 0.3805 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(34, 151, 126) }
```

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

```
.border{ border-color:rgb(34, 151, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 151, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 151, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 151, 126); box-shadow:4px 4px 4px 4px rgb(34, 151, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9797, 0.2458, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 151, 126) }
```

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

```
.background{ background-color: rgb(34, 151,  
126) }
```

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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