

Converting Colors

$Y_{xy}(24.0714, 0.2550, 0.3316)$

Have a look what the booklet for
Yxy(24.0714, 0.2550, 0.3316)
contains.

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Color

$Yxy(23.9699, 0.2548, 0.3307)$

Conversions

Conversions Part 1

Format	Color
Hex	509190
RGB	80, 145, 144
RGB Percent	31%, 57%, 56%
CMY	0.6863, 0.4314, 0.4352
CMYK	0.45, 0.00, 0.01, 0.43
HSL	179°, 29%, 44%
HSV	179°, 45%, 57%
XYZ	18.4685, 23.9699, 30.0439
YIQ	125.4510, -38.4190, -14.0910

Conversions

Conversions Part 2

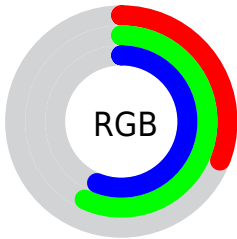
Format	Color
RYB	80, 113, 145
Decimal	5280144
CIELab	56.06, -20.99, -5.97
CIElCh	56, 21.824, 195.871
Yxy	23.9699, 0.2548, 0.3307
Android (android.graphics.Color)	4283470224 (0xFF509190)
YUV	125.4510, 9.1447, -39.8605
Hunter-Lab	48.9591, -18.3440, -2.1122

Details

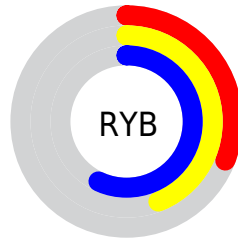
The Yxy color **23.9699, 0.2548, 0.3307** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.3515, 0.4252, 0.3276**, and the grayscale version is **20.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9106, 0.2666, 0.3302**, and **9.0077, 0.2336, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **23.3996, 0.2456, 0.3312**, and if you desaturate by 10%, it is **24.6783, 0.2656, 0.3303**.

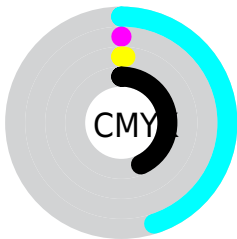
Distribution



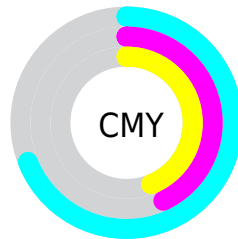
- Red (31%)
- Green (57%)
- Blue (56%)



- Red (31%)
- Yellow (44%)
- Blue (57%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (43%)





- Cyan (69%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9699, 0.2548, 0.3307 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 23.9699, 0.2548, 0.3307 by changing the saturation by 10% instead.


 23.9699, 0.2548,
0.3307


 23.9699, 0.2548,
0.3307


272.6683, 0.2865,
0.3303

 15.3113, 0.2459,
0.3306


 49.9811, 0.2670,
0.3307

 9.0382, 0.2337,
0.3302


 68.1024, 0.2714,
0.3307

 4.7661, 0.2163,
0.3292

 90.1468, 0.2750,
0.3306

 2.1107, 0.1894,
0.3267

 116.4987, 0.2780,
0.3305

 0.6706, 0.0639,
0.3431

 147.5423, 0.2806,
0.3305

 0.0000, 0.0000,
0.0000

183.6622, 0.2829,

0.3304

225.2427, 0.2848,
0.3304

■ 23.9699, 0.2548,
0.3307

■ 23.9699, 0.2548,
0.3307

■ 23.3996, 0.2456,
0.3312

■ 24.6783, 0.2656,
0.3303

■ 22.9557, 0.2382,
0.3316

■ 25.5302, 0.2778,
0.3299

■ 22.6293, 0.2327,
0.3321


■ 26.5337, 0.2912,
0.3295


■ 22.4090, 0.2289,
0.3326


■ 27.6959, 0.3056,
0.3292


■ 22.2801, 0.2268,
0.3330


■ 29.0232, 0.3205,
0.3288

 22.2283, 0.2259,
0.3333

 30.5218, 0.3359,
0.3286

 32.1975, 0.3513,
0.3283

 34.0559, 0.3667,
0.3281

 36.1022, 0.3819,
0.3280

Harmonies

Analogous

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



23.9699, 0.2824, 0.3671



23.9699, 0.2548, 0.3307



23.9699, 0.2425, 0.2965

Triad

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



23.9699, 0.2548, 0.3307



23.9699, 0.3026, 0.2747



23.9699, 0.3815, 0.3814

Complementary

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



23.9699, 0.2548, 0.3307



12.3515, 0.4252, 0.3276

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.



23.9699, 0.3885, 0.3542



23.9699, 0.2548, 0.3307



23.9699, 0.3413, 0.2947

Square

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



23.9699, 0.2548, 0.3307



23.9699, 0.2687, 0.2670



23.9699, 0.3736, 0.3230



23.9699, 0.3556, 0.3966

Rectangle

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



23.9699, 0.2548, 0.3307



23.9699, 0.2438, 0.2800



23.9699, 0.3736, 0.3230



23.9699, 0.3862, 0.3732

Sweetspot

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



23.9708, 0.2548, 0.3307



47.8217, 0.2934, 0.3294



22.5836, 0.3074, 0.4636



10.5513, 0.2906, 0.3295



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.



23.9708, 0.2548, 0.3307



41.8773, 0.2454, 0.3312



15.6913, 0.2433, 0.2653



6.1149, 0.2992, 0.3293



19.0660, 0.2259, 0.3332



0.1826, 0.2252, 0.3308

Inverse Universe

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



12.3515, 0.4252, 0.3276



18.2753, 0.4672, 0.3274



18.0596, 0.4012, 0.3843



5.4253, 0.3279, 0.3287



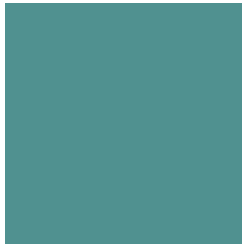
5.1678, 0.6377, 0.3287



0.0496, 0.6266, 0.3225

Previews

White Background



This preview shows how the Yxy color 23.9699, 0.2548, 0.3307 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 23.9699, 0.2548, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

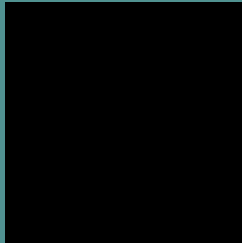
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9699, 0.2548, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 23.9699, 0.2548, 0.3307.



This preview shows how white text looks on a background with the Yxy color 23.9699, 0.2548, 0.3307.

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

23.9699, 0.2548, 0.3307

Protanopia

23.7321, 0.3108, 0.3222

Deuteranopia

23.6473, 0.3061, 0.3008



Tritanopia

23.8505, 0.2483, 0.3067

Trichromacy



Original Color

23.9699, 0.2548, 0.3307

Protanomaly

23.4296, 0.2865, 0.3235

Deuteranomaly

23.2548, 0.2838, 0.3095

Tritanomaly

23.9747, 0.2508, 0.3158

Monochromacy



Original Color

23.9699, 0.2548, 0.3307

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4197, 0.2875, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9699, 0.2548, 0.3307 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(80, 145, 144)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 144)  
}
```

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(80, 145, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 144) }
```

Border

The CSS property to change the border of an element to Yxy 23.9699, 0.2548, 0.3307 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(80, 145, 144) }
```

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

```
.border{ border-color:rgb(80, 145, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 144);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9699, 0.2548, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 144) }
```

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

```
.background{ background-color: rgb(80, 145,  
144) }
```

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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