

Converting Colors

$Y_{xy}(24.6905, 0.2674, 0.3352)$

Have a look what the booklet for
Yxy(24.6905, 0.2674, 0.3352)
contains.

Yxy(24.5835, 0.2670, 0.3344)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.5835, 0.2670, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	5E918E
RGB	94, 145, 142
RGB Percent	37%, 57%, 56%
CMY	0.6311, 0.4314, 0.4431
CMYK	0.35, 0.00, 0.02, 0.43
HSL	176°, 21%, 47%
HSV	176°, 35%, 57%
XYZ	19.6286, 24.5835, 29.3032
YIQ	129.4090, -29.4330, -11.7450

Conversions

Conversions Part 2

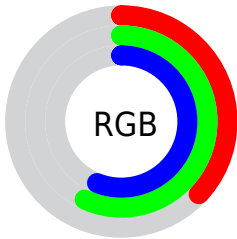
Format	Color
R _Y B	94, 120, 145
Decimal	6197646
CIE Lab	56.67, -17.68, -3.84
CIE LCh	57, 18.090, 192.248
Yxy	24.5835, 0.2670, 0.3344
Android (android.graphics.Color)	4284387726 (0xFF5E918E)
YUV	129.4090, 6.2074, -31.0537
Hunter-Lab	49.5818, -16.1029, -0.3336

Details

The Yxy color **24.5835, 0.2670, 0.3344** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.8990, 0.3879, 0.3239**, and the grayscale version is **22.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0354, 0.2767, 0.3329**, and **9.2917, 0.2495, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **23.8626, 0.2566, 0.3362**, and if you desaturate by 10%, it is **25.4506, 0.2788, 0.3327**.

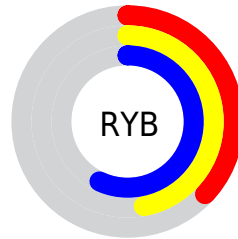
Distribution



Red (37%)

Green (57%)

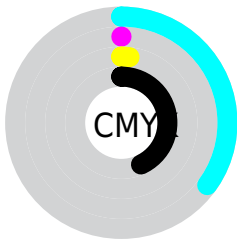
Blue (56%)



Red (37%)

Yellow (47%)

Blue (57%)

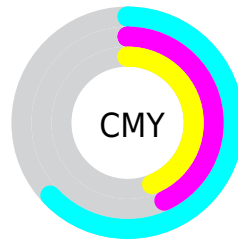


Cyan (35%)

Magenta (0%)

Yellow (2%)

Black (43%)



Cyan (63%)


Magenta (43%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5835, 0.2670, 0.3344 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 24.5835, 0.2670, 0.3344 by changing the saturation by 10% instead.


 24.5835, 0.2670,
0.3344


 24.5835, 0.2670,
0.3344


275.7573, 0.2920,
0.3317

 15.7670, 0.2599,
0.3350


 50.9807, 0.2767,
0.3334

 9.3594, 0.2503,
0.3358


 69.3303, 0.2801,
0.3331

 4.9764, 0.2363,
0.3367

 91.6263, 0.2830,
0.3328

 2.2334, 0.2145,
0.3376

 118.2532, 0.2854,
0.3325

 0.7381, 0.1295,
0.3542

149.5953, 0.2874,
0.3323

 0.0000, 0.0000,
0.0000

186.0371, 0.2892,

0.3321

227.9630, 0.2907,
0.3319

■ 24.5835, 0.2670,
0.3344

■ 24.5835, 0.2670,
0.3344

■ 23.8626, 0.2566,
0.3362

■ 25.4506, 0.2788,
0.3327

■ 23.2768, 0.2478,
0.3380

■ 26.4684, 0.2917,
0.3311

■ 22.8183, 0.2407,
0.3399

■ 27.6448, 0.3054,
0.3297

■ 22.4772, 0.2355,
0.3418

■ 28.9863, 0.3198,
0.3284

■ 22.2420, 0.2320,
0.3437

■ 30.4990, 0.3344,
0.3272

■ 22.0974, 0.2302,
0.3456

■ 32.1889, 0.3492,
0.3261

■ 22.0400, 0.2296,
0.3465

■ 34.0614, 0.3639,
0.3252

■ 36.1218, 0.3783,
0.3244

■ 38.3753, 0.3923,
0.3237

Harmonies

Analogous

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



24.5835, 0.2913, 0.3632



24.5835, 0.2670, 0.3344



24.5835, 0.2548, 0.3057

Triad

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



24.5835, 0.2670, 0.3344



24.5835, 0.3008, 0.2823



24.5835, 0.3709, 0.3704

Complementary

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



24.5835, 0.2670, 0.3344



14.8990, 0.3879, 0.3239

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.



24.5835, 0.3743, 0.3473



24.5835, 0.2670, 0.3344



24.5835, 0.3327, 0.2980

Square

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



24.5835, 0.2670, 0.3344



24.5835, 0.2736, 0.2775



24.5835, 0.3601, 0.3213



24.5835, 0.3515, 0.3838

Rectangle

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



24.5835, 0.2670, 0.3344



24.5835, 0.2548, 0.2909



24.5835, 0.3601, 0.3213



24.5835, 0.3740, 0.3634

Sweetspot

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



24.5845, 0.2670, 0.3344



48.1934, 0.2969, 0.3306



23.6242, 0.3113, 0.4294



10.6670, 0.2953, 0.3307



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.



24.5845, 0.2670, 0.3344



43.0086, 0.2588, 0.3358



18.5734, 0.2591, 0.2863



6.1109, 0.2998, 0.3303



18.9079, 0.2296, 0.3464



0.1818, 0.2269, 0.3369

Inverse Universe

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



14.8990, 0.3879, 0.3239



23.0302, 0.4131, 0.3228



19.3492, 0.3795, 0.3679



5.4289, 0.3273, 0.3277



5.1807, 0.6312, 0.3251



0.0503, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 24.5835, 0.2670, 0.3344 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 24.5835, 0.2670, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

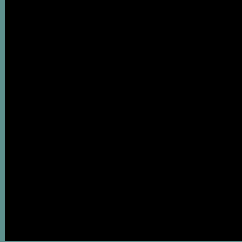
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

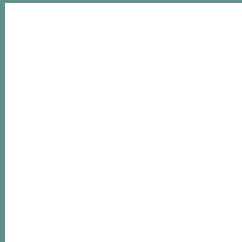
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5835, 0.2670, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 24.5835, 0.2670, 0.3344.

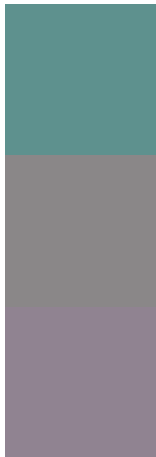


This preview shows how white text looks on a background with the Yxy color 24.5835, 0.2670, 0.3344.

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

24.5835, 0.2670, 0.3344

Protanopia

24.5088, 0.3150, 0.3273

Deuteranopia

24.2062, 0.3127, 0.3061



Tritanopia

24.5529, 0.2587, 0.3074

Trichromacy



Original Color

24.5835, 0.2670, 0.3344

Protanomaly

24.4378, 0.2956, 0.3307

Deuteranomaly

24.0576, 0.2940, 0.3151

Tritanomaly

24.6353, 0.2620, 0.3180

Monochromacy



Original Color

24.5835, 0.2670, 0.3344

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.7622, 0.2931, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5835, 0.2670, 0.3344 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(94, 145, 142)` looks like.

```
.text, #text, p{  
    color:rgb(94, 145, 142)  
}
```

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(94, 145, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 145, 142) }
```

Border

The CSS property to change the border of an element to Yxy 24.5835, 0.2670, 0.3344 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(94, 145, 142) }
```

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

```
.border{ border-color:rgb(94, 145, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 145, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 145, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 145, 142);  
box-shadow:4px 4px 4px 4px rgb(94, 145,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5835, 0.2670, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 145, 142) }
```

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

```
.background{ background-color: rgb(94, 145,  
142) }
```

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