

Converting Colors

$Y_{xy}(24.4653, 0.2572, 0.3445)$

Have a look what the booklet for
Yxy(24.4653, 0.2572, 0.3445)
contains.

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Color

Yxy(24.3093, 0.2571, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	4D938B
RGB	77, 147, 139
RGB Percent	30%, 58%, 55%
CMY	0.6978, 0.4235, 0.4549
CMYK	0.48, 0.00, 0.05, 0.42
HSL	173°, 31%, 44%
HSV	173°, 48%, 58%
XYZ	18.1578, 24.3093, 28.1584
YIQ	125.1580, -39.1520, -17.3280

Conversions

Conversions Part 2

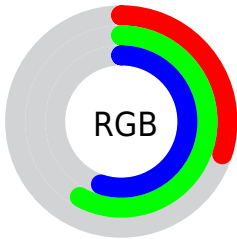
Format	Color
RYB	77, 114, 147
Decimal	5084043
CIELab	56.40, -24.08, -2.60
CIElCh	56, 24.224, 186.165
Yxy	24.3093, 0.2571, 0.3442
Android (android.graphics.Color)	4283274123 (0xFF4D938B)
YUV	125.1580, 6.8241, -42.2346
Hunter-Lab	49.3045, -20.5449, 0.6519

Details

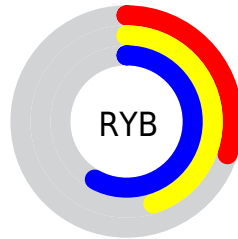
The Yxy color **24.3093, 0.2571, 0.3442** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.1765, 0.4230, 0.3154**, and the grayscale version is **20.5560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4044, 0.2693, 0.3413**, and **9.2156, 0.2366, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **23.7170, 0.2491, 0.3479**, and if you desaturate by 10%, it is **25.0425, 0.2667, 0.3406**.

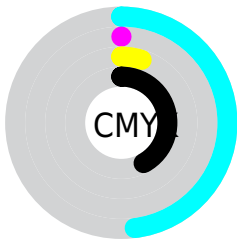
Distribution



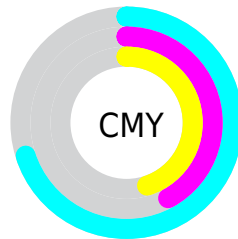
- Red (30%)
- Green (58%)
- Blue (55%)



- Red (30%)
- Yellow (45%)
- Blue (58%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (42%)




- Cyan (70%)
- Magenta (42%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3093, 0.2571, 0.3442 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 24.3093, 0.2571, 0.3442 by changing the saturation by 10% instead.


 24.3093, 0.2571,
0.3442


 24.3093, 0.2571,
0.3442


274.3805, 0.2876,
0.3361


 15.5632, 0.2485,
0.3464


 50.5345, 0.2689,
0.3411


 9.2156, 0.2367,
0.3492

 68.7823, 0.2731,
0.3400

 4.8821, 0.2197,
0.3532

 90.9663, 0.2766,
0.3391

 2.1782, 0.1933,
0.3588

 117.4706, 0.2795,
0.3383

 0.7081, 0.0487,
0.4055

 148.6798, 0.2820,
0.3377

 0.0000, 0.0000,
0.0000

184.9783, 0.2841,

0.3371

226.7504, 0.2860,
0.3366

■ 24.3093, 0.2571,
0.3442

■ 24.3093, 0.2571,
0.3442

■ 23.7170, 0.2491,
0.3479

■ 25.0425, 0.2667,
0.3406

■ 23.2532, 0.2429,
0.3518

■ 25.9223, 0.2776,
0.3372

■ 22.9084, 0.2384,
0.3556


■ 26.9575, 0.2897,
0.3340

■ 22.6703, 0.2358,
0.3595

■ 28.1553, 0.3026,
0.3311

■ 22.5163, 0.2347,
0.3634


■ 29.5227, 0.3160,
0.3284

 22.4823, 0.2345,
0.3643

 31.0660, 0.3298,
0.3259

 32.7914, 0.3437,
0.3238

 34.7046, 0.3576,
0.3219

 36.8113, 0.3712,
0.3202

Harmonies

Analogous

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



24.3093, 0.2915, 0.3825



24.3093, 0.2571, 0.3442



24.3093, 0.2379, 0.3039

Triad

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



24.3093, 0.2571, 0.3442



24.3093, 0.2882, 0.2651



24.3093, 0.3937, 0.3776

Complementary

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



24.3093, 0.2571, 0.3442



12.1765, 0.4230, 0.3154

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.



24.3093, 0.3938, 0.3452



24.3093, 0.2571, 0.3442



24.3093, 0.3305, 0.2830

Square

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



24.3093, 0.2571, 0.3442



24.3093, 0.2549, 0.2616



24.3093, 0.3701, 0.3115



24.3093, 0.3709, 0.4001

Rectangle

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



24.3093, 0.2571, 0.3442



24.3093, 0.2353, 0.2827



24.3093, 0.3701, 0.3115



24.3093, 0.3965, 0.3674

Sweetspot

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



24.3103, 0.2571, 0.3442



48.9528, 0.2938, 0.3330



23.3444, 0.3133, 0.4706



11.0815, 0.2913, 0.3336



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.3103, 0.2571, 0.3442



42.4209, 0.2487, 0.3482



17.1653, 0.2417, 0.2753



6.5509, 0.3004, 0.3315



19.4948, 0.2345, 0.3641



0.2412, 0.2292, 0.3451

Inverse Universe

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



12.1765, 0.4230, 0.3154



18.0002, 0.4635, 0.3132



16.6142, 0.4143, 0.3759



5.8255, 0.3265, 0.3265



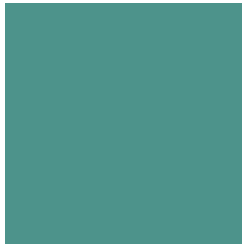
5.4144, 0.6224, 0.3202



0.0684, 0.5538, 0.2824

Previews

White Background



This preview shows how the Yxy color 24.3093, 0.2571, 0.3442 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 24.3093, 0.2571, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

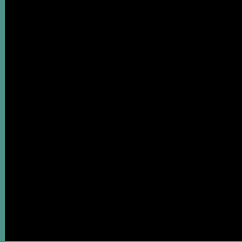
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3093, 0.2571, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 24.3093, 0.2571, 0.3442.



This preview shows how white text looks on a background with the Yxy color 24.3093, 0.2571, 0.3442.

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

24.3093, 0.2571, 0.3442

Protanopia

24.0922, 0.3204, 0.3341

Deuteranopia

24.1149, 0.3158, 0.3109



Tritanopia

24.1407, 0.2472, 0.3068

Trichromacy



Original Color

24.3093, 0.2571, 0.3442

Protanomaly

23.8995, 0.2933, 0.3380

Deuteranomaly

23.8075, 0.2907, 0.3219

Tritanomaly

24.1583, 0.2505, 0.3195

Monochromacy



Original Color

24.3093, 0.2571, 0.3442

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.5749, 0.2885, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3093, 0.2571, 0.3442 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(77, 147, 139)` looks like.

```
.text, #text, p{  
    color:rgb(77, 147, 139)  
}
```

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(77, 147, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 147, 139) }
```

Border

The CSS property to change the border of an element to Yxy 24.3093, 0.2571, 0.3442 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(77, 147, 139) }
```

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

```
.border{ border-color:rgb(77, 147, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 147, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 147, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 147, 139);  
box-shadow:4px 4px 4px 4px rgb(77, 147,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3093, 0.2571, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 147, 139) }
```

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

```
.background{ background-color: rgb(77, 147,  
139) }
```

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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