

Converting Colors

$Y_{xy}(22.3123, 0.2577, 0.3745)$

Have a look what the booklet for
Yxy(22.3123, 0.2577, 0.3745)
contains.

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Color

Yxy(22.3123, 0.2577, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	3C907A
RGB	60, 144, 122
RGB Percent	24%, 56%, 48%
CMY	0.7644, 0.4353, 0.5215
CMYK	0.58, 0.00, 0.15, 0.44
HSL	164°, 41%, 40%
HSV	164°, 58%, 56%
XYZ	15.3535, 22.3123, 21.9131
YIQ	116.3760, -43.0020, -24.6500

Conversions

Conversions Part 2

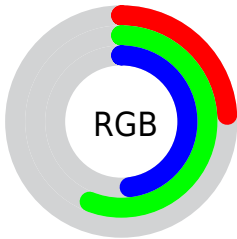
Format	Color
RYB	60, 108, 144
Decimal	3969146
CIELab	54.36, -30.95, 4.10
CIELCh	54, 31.225, 172.455
Yxy	22.3123, 0.2577, 0.3745
Android (android.graphics.Color)	4282159226 (0xFF3C907A)
YUV	116.3760, 2.7726, -49.4418
Hunter-Lab	47.2359, -24.6435, 5.5600

Details

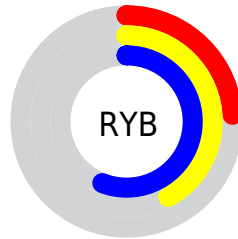
The Yxy color **22.3123, 0.2577, 0.3745** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7788, 0.4367, 0.2916**, and the grayscale version is **17.5944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0890, 0.2700, 0.3642**, and **8.3097, 0.2429, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **21.8318, 0.2527, 0.3839**, and if you desaturate by 10%, it is **22.9203, 0.2644, 0.3654**.

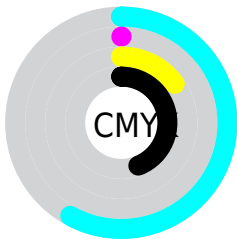
Distribution



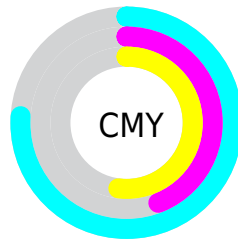
- Red (24%)
- Green (56%)
- Blue (48%)



- Red (24%)
- Yellow (42%)
- Blue (56%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)





- Cyan (76%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3123, 0.2577, 0.3745 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 22.3123, 0.2577, 0.3745 by changing the saturation by 10% instead.


 22.3123, 0.2577,
0.3745

 22.3123, 0.2577,
0.3745


264.1729, 0.2887,
0.3485


 14.0866, 0.2485,
0.3824


 47.2616, 0.2699,
0.3641


 8.1809, 0.2358,
0.3936


 64.7540, 0.2742,
0.3605

 4.2109, 0.2168,
0.4106

 86.1040, 0.2777,
0.3576

 1.7922, 0.1853,
0.4398

 111.6961, 0.2807,
0.3551

 0.4823, 0.0000,
0.6691

 141.9146, 0.2831,
0.3531

 0.0000, 0.0000,
0.0000

177.1440, 0.2852,

0.3513

217.7686, 0.2871,
0.3498

■ 22.3123, 0.2577,
0.3745

■ 22.3123, 0.2577,
0.3745

■ 21.8318, 0.2527,
0.3839

■ 22.9203, 0.2644,
0.3654

■ 21.4659, 0.2494,
0.3934

■ 23.6622, 0.2726,
0.3568

■ 21.2037, 0.2481,
0.4030

■ 24.5471, 0.2820,
0.3487

■ 21.0206, 0.2483,
0.4125

■ 25.5826, 0.2923,
0.3411

■ 20.9909, 0.2484,
0.4142

■ 26.7755, 0.3033,
0.3342

■ 28.1326, 0.3147,
0.3280

■ 29.6600, 0.3263,
0.3223

■ 31.3635, 0.3379,
0.3173

■ 33.2487, 0.3493,
0.3129

Harmonies

Analogous

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



22.3123, 0.3082, 0.4186



22.3123, 0.2577, 0.3745



22.3123, 0.2238, 0.3178

Triad

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



22.3123, 0.2577, 0.3745



22.3123, 0.2582, 0.2420



22.3123, 0.4241, 0.3718

Complementary

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



22.3123, 0.2577, 0.3745



9.7788, 0.4367, 0.2916

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.



22.3123, 0.4098, 0.3282



22.3123, 0.2577, 0.3745



22.3123, 0.3093, 0.2572

Square

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



22.3123, 0.2577, 0.3745



22.3123, 0.2244, 0.2460



22.3123, 0.3661, 0.2877



22.3123, 0.4056, 0.4099

Rectangle

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



22.3123, 0.2577, 0.3745



22.3123, 0.2136, 0.2849



22.3123, 0.3661, 0.2877



22.3123, 0.4231, 0.3574

Sweetspot

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



22.3132, 0.2577, 0.3745



45.3094, 0.2933, 0.3405



22.0861, 0.3238, 0.4998



10.3112, 0.2914, 0.3417



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.



22.3132, 0.2577, 0.3745



38.2848, 0.2514, 0.3869



17.4957, 0.2334, 0.2884



6.0925, 0.3023, 0.3348



18.2850, 0.2482, 0.4137



0.1784, 0.2360, 0.3695

Inverse Universe

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



9.7788, 0.4367, 0.2916



14.0091, 0.4835, 0.2878



11.9433, 0.4609, 0.3630



5.4458, 0.3243, 0.3233



5.2871, 0.5830, 0.2985



0.0538, 0.4791, 0.2413

Previews

White Background



This preview shows how the Yxy color 22.3123, 0.2577, 0.3745 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 22.3123, 0.2577, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

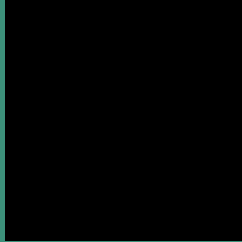
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3123, 0.2577, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 22.3123, 0.2577, 0.3745.



This preview shows how white text looks on a background with the Yxy color 22.3123, 0.2577, 0.3745.

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

22.3123, 0.2577, 0.3745

Protanopia

22.0663, 0.3366, 0.3558

Deuteranopia

22.0132, 0.3335, 0.3274



Tritanopia

22.2926, 0.2414, 0.3077

Trichromacy



Original Color

22.3123, 0.2577, 0.3745

Protanomaly

21.5227, 0.3013, 0.3618

Deuteranomaly

21.4939, 0.2987, 0.3422

Tritanomaly

22.1015, 0.2470, 0.3308

Monochromacy



Original Color

22.3123, 0.2577, 0.3745

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.7165, 0.2870, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3123, 0.2577, 0.3745 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(60, 144, 122)` looks like.

```
.text, #text, p{  
    color:rgb(60, 144, 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(60, 144, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 144, 122) }
```

Border

The CSS property to change the border of an element to Yxy 22.3123, 0.2577, 0.3745 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(60, 144, 122) }
```

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

```
.border{ border-color:rgb(60, 144, 122) }
```

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

Here you see how a box with a 4 pixel rgb(60, 144, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 144, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 144, 122);  
box-shadow:4px 4px 4px 4px rgb(60, 144,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3123, 0.2577, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 144, 122) }
```

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

```
.background{ background-color: rgb(60, 144,  
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](#).

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