

Converting Colors

$Yxy(22.9116, 0.2531, 0.3960)$

Have a look what the booklet for
Yxy(22.9116, 0.2531, 0.3960)
contains.

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Color

Yxy(22.8919, 0.2534, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	289474
RGB	40, 148, 116
RGB Percent	16%, 58%, 45%
CMY	0.8434, 0.4196, 0.5451
CMYK	0.73, 0.00, 0.22, 0.42
HSL	162°, 57%, 37%
HSV	162°, 73%, 58%
XYZ	14.6153, 22.8919, 20.1696
YIQ	112.0600, -54.0960, -32.8480

Conversions

Conversions Part 2

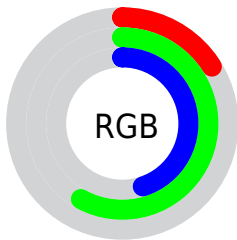
Format	Color
R_{YB}	40, 103, 148
Decimal	2659444
CIE _{Lab}	54.96, -37.99, 8.34
CIE _{LCh}	55, 38.898, 167.625
Yxy	22.8919, 0.2534, 0.3969
Android (android.graphics.Color)	4280849524 (0xFF289474)
YUV	112.0600, 1.9424, -63.1966
Hunter-Lab	47.8455, -29.2035, 8.4978

Details

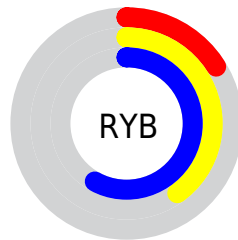
The Yxy color **22.8919, 0.2534, 0.3969** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.2774, 0.4811, 0.2816**, and the grayscale version is **16.2233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3057, 0.2667, 0.3813**, and **8.7831, 0.2501, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **22.5517, 0.2514, 0.4079**, and if you desaturate by 10%, it is **23.3523, 0.2573, 0.3860**.

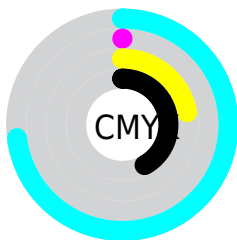
Distribution



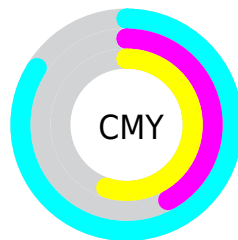
- Red (16%)
- Green (58%)
- Blue (45%)



- Red (16%)
- Yellow (40%)
- Blue (58%)



- Cyan (73%)
- Magenta (0%)
- Yellow (22%)
- Black (42%)





- Cyan (84%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8919, 0.2534, 0.3969 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 22.8919, 0.2534, 0.3969 by changing the saturation by 10% instead.


 22.8919, 0.2534,
0.3969


 22.8919, 0.2534,
0.3969


267.1693, 0.2871,
0.3576


 14.5137, 0.2434,
0.4091


 48.2158, 0.2668,
0.3811


 8.4788, 0.2293,
0.4264


 65.9302, 0.2714,
0.3756


 4.4028, 0.2082,
0.4532

 87.5256, 0.2752,
0.3712

 1.9014, 0.1705,
0.5014

 113.3862, 0.2784,
0.3675

 0.5492, 0.0000,
0.9732

 143.8965, 0.2811,
0.3645

 0.0000, 0.0000,
0.0000

 179.4408, 0.2833,

0.3618

220.4036, 0.2853,
0.3596

■ 22.8919, 0.2534,
0.3969

■ 22.8919, 0.2534,
0.3969

■ 22.5517, 0.2514,
0.4079

■ 23.3523, 0.2573,
0.3860

■ 22.3151, 0.2513,
0.4189

■ 23.9418, 0.2630,
0.3754

■ 22.1848, 0.2518,
0.4265

■ 24.6716, 0.2702,
0.3653

■ 25.5510, 0.2787,
0.3557

■ 26.5883, 0.2883,
0.3468

■ 27.7913, 0.2986,
0.3386

■ 29.1672, 0.3094,
0.3311

■ 30.7229, 0.3205,
0.3244

■ 32.4649, 0.3316,
0.3184

Harmonies

Analogous

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



22.8919, 0.3163, 0.4474



22.8919, 0.2534, 0.3969



22.8919, 0.2095, 0.3247

Triad

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



22.8919, 0.2534, 0.3969



22.8919, 0.2380, 0.2235



22.8919, 0.4498, 0.3698

Complementary

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



22.8919, 0.2534, 0.3969



8.2774, 0.4811, 0.2816

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.



22.8919, 0.4262, 0.3181



22.8919, 0.2534, 0.3969



22.8919, 0.2967, 0.2384

Square

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



22.8919, 0.2534, 0.3969



22.8919, 0.2022, 0.2312



22.8919, 0.3672, 0.2719



22.8919, 0.4316, 0.4189

Rectangle

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



22.8919, 0.2534, 0.3969



22.8919, 0.1950, 0.2821



22.8919, 0.3672, 0.2719



22.8919, 0.4467, 0.3524

Sweetspot

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



22.8928, 0.2534, 0.3969



47.0228, 0.2889, 0.3463



22.7264, 0.3250, 0.5402



10.6260, 0.2865, 0.3484



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.



22.8928, 0.2534, 0.3969



39.4872, 0.2511, 0.4153



17.6109, 0.2213, 0.2839



6.5333, 0.3027, 0.3356



18.9524, 0.2516, 0.4258



0.2372, 0.2377, 0.3757

Inverse Universe

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



8.2774, 0.4811, 0.2816



12.1981, 0.5404, 0.2860



9.8463, 0.5238, 0.3608



5.8420, 0.3239, 0.3225



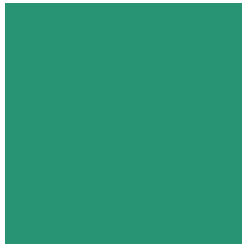
5.5363, 0.5717, 0.2923



0.0724, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 22.8919, 0.2534, 0.3969 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 22.8919, 0.2534, 0.3969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

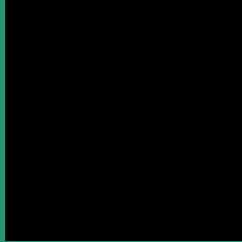
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8919, 0.2534, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 22.8919, 0.2534, 0.3969.



This preview shows how white text looks on a background with the Yxy color 22.8919, 0.2534, 0.3969.

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

22.8919, 0.2534, 0.3969

Protanopia

22.4301, 0.3481, 0.3697

Deuteranopia

22.5052, 0.3441, 0.3375



Tritanopia

22.9078, 0.2345, 0.3077

Trichromacy



Original Color

22.8919, 0.2534, 0.3969

Protanomaly

21.8419, 0.3017, 0.3822

Deuteranomaly

21.5702, 0.2993, 0.3579

Tritanomaly

22.8743, 0.2411, 0.3388

Monochromacy



Original Color

22.8919, 0.2534, 0.3969

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.8379, 0.2813, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8919, 0.2534, 0.3969 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(40, 148, 116)` looks like.

```
.text, #text, p{  
    color:rgb(40, 148, 116)  
}
```

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(40, 148, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 148, 116) }
```

Border

The CSS property to change the border of an element to Yxy 22.8919, 0.2534, 0.3969 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(40, 148, 116) }
```

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

```
.border{ border-color:rgb(40, 148, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 148, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 148, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 148, 116);  
box-shadow:4px 4px 4px 4px rgb(40, 148,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8919, 0.2534, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 148, 116) }
```

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

```
.background{ background-color: rgb(40, 148,  
116) }
```

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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