

Converting Colors

$Y_{xy}(22.7555, 0.2420, 0.3535)$

Have a look what the booklet for
Yxy(22.7555, 0.2420, 0.3535)
contains.

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Color

Yxy(22.8145, 0.2419, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	2C9286
RGB	44, 146, 134
RGB Percent	17%, 57%, 53%
CMY	0.8275, 0.4274, 0.4744
CMYK	0.70, 0.00, 0.08, 0.43
HSL	173°, 54%, 37%
HSV	173°, 70%, 57%
XYZ	15.6208, 22.8145, 26.1401
YIQ	114.1340, -56.9400, -25.3560

Conversions

Conversions Part 2

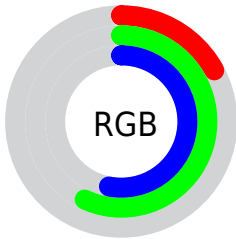
Format	Color
RYB	44, 98, 146
Decimal	2921094
CIELab	54.88, -31.64, -2.09
CIELCh	55, 31.711, 183.786
Yxy	22.8145, 0.2419, 0.3533
Android (android.graphics.Color)	4281111174 (0xFF2C9286)
YUV	114.1340, 9.7939, -61.5075
Hunter-Lab	47.7645, -25.2117, 0.9875

Details

The Yxy color **22.8145, 0.2419, 0.3533** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.1965, 0.5126, 0.3120**, and the grayscale version is **16.8516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8395, 0.2569, 0.3478**, and **8.8403, 0.2333, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **22.4996, 0.2379, 0.3573**, and if you desaturate by 10%, it is **23.2457, 0.2477, 0.3494**.

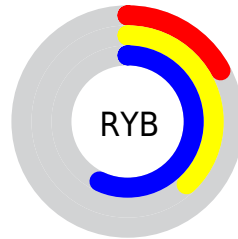
Distribution



Red (17%)

Green (57%)

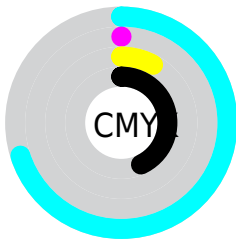
Blue (53%)



Red (17%)

Yellow (38%)

Blue (57%)

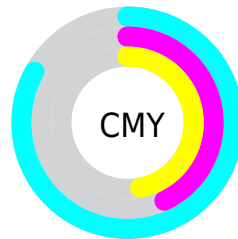


Cyan (70%)

Magenta (0%)

Yellow (8%)

Black (43%)



Cyan (83%)


Magenta (43%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8145, 0.2419, 0.3533 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 22.8145, 0.2419, 0.3533 by changing the saturation by 10% instead.


 22.8145, 0.2419,
0.3533


 22.8145, 0.2419,
0.3533

 266.7708, 0.2810,
0.3401


 14.4566, 0.2307,
0.3569


 48.0886, 0.2571,
0.3483


 8.4389, 0.2155,
0.3618


 65.7735, 0.2625,
0.3465

 4.3771, 0.1934,
0.3685

 87.3362, 0.2670,
0.3450

 1.8866, 0.1591,
0.3784

 113.1612, 0.2707,
0.3437

 0.5403, 0.0000,
0.4238

 143.6327, 0.2739,
0.3426

 0.0000, 0.0000,
0.0000

 179.1352, 0.2766,

0.3417

220.0531, 0.2790,
0.3409

■ 22.8145, 0.2419,
0.3533

■ 22.8145, 0.2419,
0.3533

■ 22.4996, 0.2379,
0.3573

■ 23.2457, 0.2477,
0.3494

■ 22.2858, 0.2357,
0.3613

■ 23.8012, 0.2553,
0.3455

■ 22.1413, 0.2348,
0.3652

■ 24.4916, 0.2645,
0.3418

■ 22.1396, 0.2348,
0.3653

■ 25.3253, 0.2751,
0.3382

■ 26.3102, 0.2869,
0.3349

■ 27.4537, 0.2996,
0.3318

■ 28.7626, 0.3129,
0.3290

■ 30.2432, 0.3266,
0.3264

■ 31.9016, 0.3404,
0.3241

Harmonies

Analogous

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



22.8145, 0.2876, 0.4057



22.8145, 0.2419, 0.3533



22.8145, 0.2160, 0.2979

Triad

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



22.8145, 0.2419, 0.3533



22.8145, 0.2756, 0.2450



22.8145, 0.4216, 0.3878

Complementary

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



22.8145, 0.2419, 0.3533



8.1965, 0.5126, 0.3120

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.



22.8145, 0.4200, 0.3448



22.8145, 0.2419, 0.3533



22.8145, 0.3311, 0.2667

Square

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



22.8145, 0.2419, 0.3533



22.8145, 0.2342, 0.2414



22.8145, 0.3858, 0.3020



22.8145, 0.3922, 0.4212

Rectangle

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



22.8145, 0.2419, 0.3533



22.8145, 0.2118, 0.2694



22.8145, 0.3858, 0.3020



22.8145, 0.4249, 0.3739

Sweetspot

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



22.8154, 0.2419, 0.3533



46.1252, 0.2850, 0.3354



21.6275, 0.3115, 0.5409



10.1638, 0.2821, 0.3362



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.



22.8154, 0.2419, 0.3533



39.4504, 0.2364, 0.3596



13.4616, 0.2146, 0.2479



6.5506, 0.3004, 0.3316



19.4843, 0.2347, 0.3651



0.2412, 0.2293, 0.3456

Inverse Universe

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



8.1965, 0.5126, 0.3120



11.9390, 0.5786, 0.3150



12.2359, 0.4858, 0.3890



5.8258, 0.3265, 0.3264



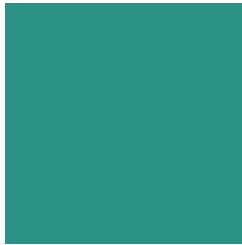
5.4157, 0.6218, 0.3199



0.0684, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 22.8145, 0.2419, 0.3533 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 22.8145, 0.2419, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

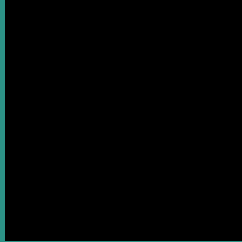
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8145, 0.2419, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 22.8145, 0.2419, 0.3533.

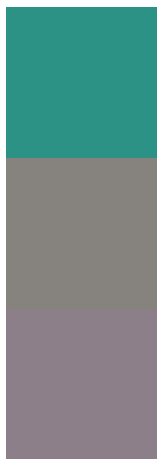


This preview shows how white text looks on a background with the Yxy color 22.8145, 0.2419, 0.3533.

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

22.8145, 0.2419, 0.3533

Protanopia

22.5143, 0.3228, 0.3378

Deuteranopia

22.5892, 0.3159, 0.3104



Tritanopia

22.8237, 0.2320, 0.3058

Trichromacy



Original Color

22.8145, 0.2419, 0.3533

Protanomaly

21.9335, 0.2836, 0.3443

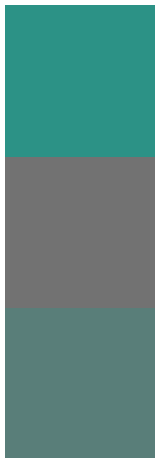
Deuteranomaly

21.8596, 0.2790, 0.3233

Tritanomaly

22.7569, 0.2356, 0.3229

Monochromacy



Original Color

22.8145, 0.2419, 0.3533

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.4260, 0.2768, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8145, 0.2419, 0.3533 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(44, 146, 134)` looks like.

```
.text, #text, p{  
    color:rgb(44, 146, 134)  
}
```

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(44, 146, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 146, 134) }
```

Border

The CSS property to change the border of an element to Yxy 22.8145, 0.2419, 0.3533 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(44, 146, 134) }
```

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

```
.border{ border-color:rgb(44, 146, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 146, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 146, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 146, 134);  
box-shadow:4px 4px 4px 4px rgb(44, 146,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8145, 0.2419, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 146, 134) }
```

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

```
.background{ background-color: rgb(44, 146,  
134) }
```

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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