

Converting Colors

$Yxy(22.9338, 0.2461, 0.3604)$

Have a look what the booklet for
Yxy(22.9338, 0.2461, 0.3604)
contains.

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Color

Yxy(22.8248, 0.2457, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	309283
RGB	48, 146, 131
RGB Percent	19%, 57%, 51%
CMY	0.8116, 0.4274, 0.4863
CMYK	0.67, 0.00, 0.10, 0.43
HSL	171°, 50%, 38%
HSV	171°, 67%, 57%
XYZ	15.5953, 22.8248, 25.0527
YIQ	114.9880, -53.5930, -25.4410

Conversions

Conversions Part 2

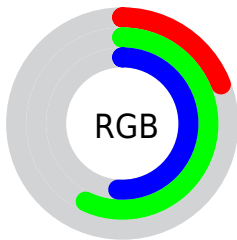
Format	Color
RYB	48, 101, 146
Decimal	3183235
CIELab	54.89, -31.84, -0.33
CIElCh	55, 31.839, 180.590
Yxy	22.8248, 0.2457, 0.3596
Android (android.graphics.Color)	4281373315 (0xFF309283)
YUV	114.9880, 7.8939, -58.7485
Hunter-Lab	47.7753, -25.3392, 2.3519

Details

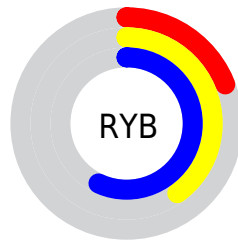
The Yxy color **22.8248, 0.2457, 0.3596** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5878, 0.4926, 0.3063**, and the grayscale version is **17.1319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8950, 0.2601, 0.3522**, and **8.7936, 0.2360, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **22.4670, 0.2415, 0.3649**, and if you desaturate by 10%, it is **23.3026, 0.2518, 0.3544**.

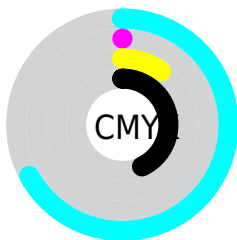
Distribution



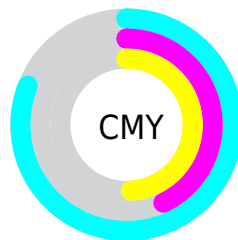
- Red (19%)
- Green (57%)
- Blue (51%)



- Red (19%)
- Yellow (40%)
- Blue (57%)



- Cyan (67%)
- Magenta (0%)
- Yellow (10%)
- Black (43%)





- Cyan (81%)
- Magenta (43%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8248, 0.2457, 0.3596 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 22.8248, 0.2457, 0.3596 by changing the saturation by 10% instead.


 22.8248, 0.2457,
0.3596


 22.8248, 0.2457,
0.3596


266.8239, 0.2829,
0.3427

 14.4642, 0.2350,
0.3644


 48.1055, 0.2602,
0.3530


 8.4442, 0.2203,
0.3711


 65.7944, 0.2653,
0.3507


 4.3805, 0.1990,
0.3807

 87.3614, 0.2696,
0.3488

 1.8886, 0.1655,
0.3957

 113.1911, 0.2731,
0.3471

 0.5415, 0.0000,
0.4692

 143.6678, 0.2761,
0.3458

 0.0000, 0.0000,
0.0000

 179.1759, 0.2787,

0.3446

220.0998, 0.2809,
0.3436

■ 22.8248, 0.2457,
0.3596

■ 22.8248, 0.2457,
0.3596

■ 22.4670, 0.2415,
0.3649

■ 23.3026, 0.2518,
0.3544

■ 22.2144, 0.2390,
0.3702

■ 23.9081, 0.2596,
0.3493

■ 22.0475, 0.2382,
0.3755

■ 24.6514, 0.2689,
0.3444

■ 22.0037, 0.2381,
0.3770

■ 25.5408, 0.2795,
0.3398

■ 26.5841, 0.2911,
0.3355

■ 27.7884, 0.3036,
0.3316

■ 29.1605, 0.3165,
0.3280

■ 30.7065, 0.3297,
0.3247

■ 32.4327, 0.3430,
0.3218

Harmonies

Analogous

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



22.8248, 0.2932, 0.4104



22.8248, 0.2457, 0.3596



22.8248, 0.2173, 0.3031

Triad

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



22.8248, 0.2457, 0.3596



22.8248, 0.2702, 0.2434



22.8248, 0.4235, 0.3836

Complementary

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



22.8248, 0.2457, 0.3596



8.5878, 0.4926, 0.3063

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.



22.8248, 0.4182, 0.3401



22.8248, 0.2457, 0.3596



22.8248, 0.3250, 0.2634

Square

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



22.8248, 0.2457, 0.3596



22.8248, 0.2307, 0.2419



22.8248, 0.3809, 0.2976



22.8248, 0.3968, 0.4188

Rectangle

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



22.8248, 0.2457, 0.3596



22.8248, 0.2114, 0.2731



22.8248, 0.3809, 0.2976



22.8248, 0.4256, 0.3695

Sweetspot

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



22.8257, 0.2457, 0.3596



46.2572, 0.2872, 0.3369



21.8740, 0.3146, 0.5314



10.1875, 0.2843, 0.3380



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.



22.8257, 0.2457, 0.3596



39.3655, 0.2399, 0.3679



14.5926, 0.2194, 0.2592



6.5471, 0.3009, 0.3324



19.3660, 0.2380, 0.3768



0.2404, 0.2309, 0.3512

Inverse Universe

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



8.5878, 0.4926, 0.3063



12.3520, 0.5574, 0.3083



12.1643, 0.4812, 0.3824



5.8290, 0.3260, 0.3256



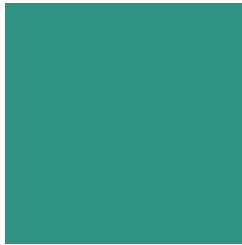
5.4322, 0.6142, 0.3157



0.0692, 0.5310, 0.2699

Previews

White Background



This preview shows how the Yxy color 22.8248, 0.2457, 0.3596 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 22.8248, 0.2457, 0.3596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

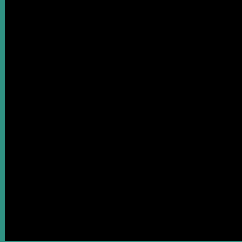
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8248, 0.2457, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 22.8248, 0.2457, 0.3596.

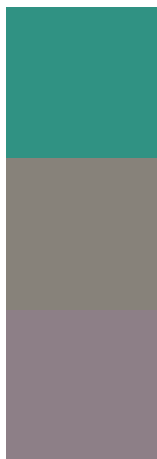


This preview shows how white text looks on a background with the Yxy color 22.8248, 0.2457, 0.3596.

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

22.8248, 0.2457, 0.3596

Protanopia

22.5213, 0.3274, 0.3431

Deuteranopia

22.5907, 0.3204, 0.3155



Tritanopia

22.9078, 0.2345, 0.3077

Trichromacy



Original Color

22.8248, 0.2457, 0.3596

Protanomaly

21.9726, 0.2884, 0.3501

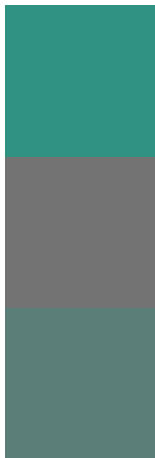
Deuteranomaly

21.8972, 0.2838, 0.3289

Tritanomaly

22.8341, 0.2381, 0.3249

Monochromacy



Original Color

22.8248, 0.2457, 0.3596

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.5263, 0.2788, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8248, 0.2457, 0.3596 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(48, 146, 131)` looks like.

```
.text, #text, p{  
    color:rgb(48, 146, 131)  
}
```

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(48, 146, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 146, 131) }
```

Border

The CSS property to change the border of an element to Yxy 22.8248, 0.2457, 0.3596 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(48, 146, 131) }
```

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

```
.border{ border-color:rgb(48, 146, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 146, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 146, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 146, 131);  
box-shadow:4px 4px 4px 4px rgb(48, 146,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8248, 0.2457, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 146, 131) }
```

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

```
.background{ background-color: rgb(48, 146,  
131) }
```

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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