

Converting Colors

$Y_{xy}(22.3059, 0.2364, 0.3379)$

Have a look what the booklet for
Yxy(22.3059, 0.2364, 0.3379)
contains.

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Color

$\text{Yxy}(22.3322, 0.2363, 0.3369)$

Conversions

Conversions Part 1

Format	Color
Hex	2A908C
RGB	42, 144, 140
RGB Percent	16%, 56%, 55%
CMY	0.8349, 0.4353, 0.4510
CMYK	0.71, 0.00, 0.03, 0.44
HSL	178°, 55%, 36%
HSV	178°, 71%, 56%
XYZ	15.6637, 22.3322, 28.2914
YIQ	113.0460, -59.5080, -22.8680

Conversions

Conversions Part 2

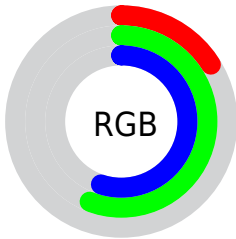
Format	Color
RYB	42, 94, 144
Decimal	2789516
CIELab	54.38, -29.22, -6.28
CIElCh	54, 29.891, 192.132
Yxy	22.3322, 0.2363, 0.3369
Android (android.graphics.Color)	4280979596 (0xFF2A908C)
YUV	113.0460, 13.2883, -62.3073
Hunter-Lab	47.2570, -23.5344, -2.4154

Details

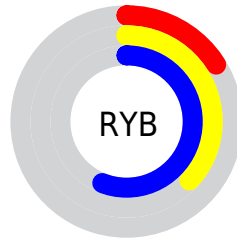
The Yxy color **22.3322, 0.2363, 0.3369** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.7897, 0.5336, 0.3240**, and the grayscale version is **16.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1220, 0.2526, 0.3361**, and **8.5669, 0.2272, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **22.0648, 0.2320, 0.3382**, and if you desaturate by 10%, it is **22.7106, 0.2425, 0.3356**.

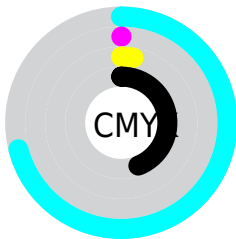
Distribution



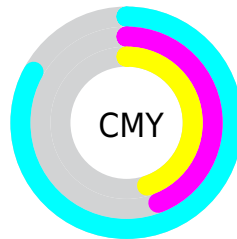
- Red (16%)
- Green (56%)
- Blue (55%)



- Red (16%)
- Yellow (37%)
- Blue (56%)



- Cyan (71%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)




- Cyan (83%)
- Magenta (44%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3322, 0.2363, 0.3369 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 22.3322, 0.2363, 0.3369 by changing the saturation by 10% instead.


 22.3322, 0.2363,
0.3369


 22.3322, 0.2363,
0.3369


 264.2762, 0.2783,
0.3334


 14.1012, 0.2244,
0.3375


 47.2944, 0.2526,
0.3358

 8.1911, 0.2082,
0.3380


 64.7945, 0.2584,
0.3353


 4.2175, 0.1851,
0.3380

 86.1530, 0.2632,
0.3349

 1.7959, 0.1497,
0.3362

 111.7543, 0.2672,
0.3345

 0.4846, 0.0000,
0.3339

 141.9829, 0.2706,
0.3342

 0.0000, 0.0000,
0.0000

 177.2232, 0.2735,

0.3339

217.8595, 0.2761,
0.3336

■ 22.3322, 0.2363,
0.3369

■ 22.3322, 0.2363,
0.3369

■ 22.0648, 0.2320,
0.3382

■ 22.7106, 0.2425,
0.3356

■ 21.8934, 0.2293,
0.3394

■ 23.2080, 0.2504,
0.3344

■ 21.7904, 0.2279,
0.3406

■ 23.8344, 0.2601,
0.3332

■ 24.5982, 0.2713,
0.3321

■ 25.5070, 0.2838,
0.3310

■ 26.5681, 0.2973,
0.3300

■ 27.7879, 0.3116,
0.3291

■ 29.1727, 0.3264,
0.3282

■ 30.7284, 0.3414,
0.3275

Harmonies

Analogous

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



22.3322, 0.2755, 0.3895



22.3322, 0.2363, 0.3369



22.3322, 0.2175, 0.2874

Triad

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



22.3322, 0.2363, 0.3369



22.3322, 0.2914, 0.2530



22.3322, 0.4111, 0.3956

Complementary

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



22.3322, 0.2363, 0.3369



7.7897, 0.5336, 0.3240

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.



22.3322, 0.4183, 0.3562



22.3322, 0.2363, 0.3369



22.3322, 0.3456, 0.2779

Square

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



22.3322, 0.2363, 0.3369



22.3322, 0.2471, 0.2444



22.3322, 0.3938, 0.3144



22.3322, 0.3768, 0.4221

Rectangle

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



22.3322, 0.2363, 0.3369



22.3322, 0.2176, 0.2638



22.3322, 0.3938, 0.3144



22.3322, 0.4170, 0.3833

Sweetspot

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



22.3330, 0.2363, 0.3369



44.8759, 0.2829, 0.3311



20.7224, 0.3055, 0.5470



10.1962, 0.2798, 0.3313



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.



22.3330, 0.2363, 0.3369



38.7191, 0.2302, 0.3389



11.2694, 0.2089, 0.2270



6.1127, 0.2995, 0.3298



18.9771, 0.2279, 0.3405



0.1822, 0.2262, 0.3342

Inverse Universe

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



7.7897, 0.5336, 0.3240



11.4011, 0.5996, 0.3256



13.0681, 0.4757, 0.4035



5.4273, 0.3275, 0.3282



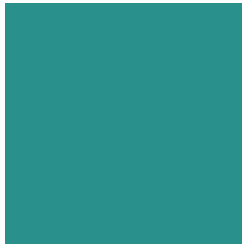
5.1750, 0.6341, 0.3267



0.0500, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 22.3322, 0.2363, 0.3369 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 22.3322, 0.2363, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

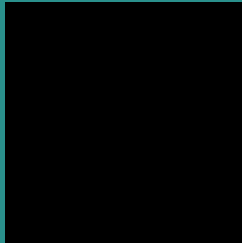
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3322, 0.2363, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 22.3322, 0.2363, 0.3369.



This preview shows how white text looks on a background with the Yxy color 22.3322, 0.2363, 0.3369.

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

22.3322, 0.2363, 0.3369

Protanopia

22.1645, 0.3129, 0.3255

Deuteranopia

22.0862, 0.3037, 0.2983



Tritanopia

22.3240, 0.2305, 0.3074

Trichromacy



Original Color

22.3322, 0.2363, 0.3369

Protanomaly

21.4241, 0.2759, 0.3289

Deuteranomaly

21.5249, 0.2697, 0.3102

Tritanomaly

22.3874, 0.2327, 0.3189

Monochromacy



Original Color

22.3322, 0.2363, 0.3369

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.8716, 0.2725, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3322, 0.2363, 0.3369 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(42, 144, 140)` looks like.

```
.text, #text, p{  
  color:rgb(42, 144, 140)  
}
```

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(42, 144, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 144, 140) }
```

Border

The CSS property to change the border of an element to Yxy 22.3322, 0.2363, 0.3369 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(42, 144, 140) }
```

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

```
.border{ border-color:rgb(42, 144, 140) }
```

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

Here you see how a box with a 4 pixel rgb(42, 144, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 144, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 144, 140);  
box-shadow:4px 4px 4px 4px rgb(42, 144,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3322, 0.2363, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 144, 140) }
```

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

```
.background{ background-color: rgb(42, 144,  
140) }
```

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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