

Converting Colors

$Yxy(22.3293, 0.2312, 0.3511)$

Have a look what the booklet for
Yxy(22.3293, 0.2312, 0.3511)
contains.

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Color

$\text{Yxy}(22.3264, 0.2314, 0.3517)$

Conversions

Conversions Part 1

Format	Color
Hex	039287
RGB	3, 146, 135
RGB Percent	1%, 57%, 53%
CMY	0.9887, 0.4274, 0.4705
CMYK	0.98, 0.00, 0.08, 0.43
HSL	175°, 96%, 29%
HSV	175°, 98%, 57%
XYZ	14.6896, 22.3264, 26.4654
YIQ	101.9890, -81.6970, -33.7370

Conversions

Conversions Part 2

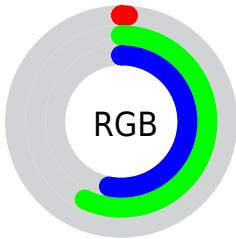
Format	Color
RYB	3, 77, 146
Decimal	234119
CIELab	54.37, -35.00, -3.49
CIElCh	54, 35.174, 185.687
Yxy	22.3264, 0.2314, 0.3517
Android (android.graphics.Color)	4278424199 (0xFF039287)
YUV	101.9890, 16.2744, -86.8134
Hunter-Lab	47.2508, -27.1959, -0.1330

Details

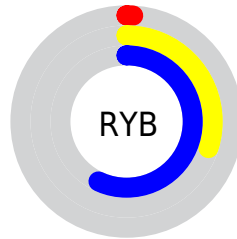
The Yxy color **22.3264, 0.2314, 0.3517** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.2050, 0.6249, 0.3241**, and the grayscale version is **13.2477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4788, 0.2491, 0.3480**, and **8.8403, 0.2333, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **22.3025, 0.2312, 0.3522**, and if you desaturate by 10%, it is **22.4640, 0.2328, 0.3492**.

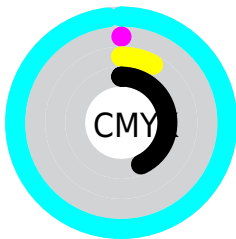
Distribution



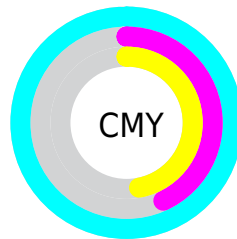
- Red (1%)
- Green (57%)
- Blue (53%)



- Red (1%)
- Yellow (30%)
- Blue (57%)



- Cyan (98%)
- Magenta (0%)
- Yellow (8%)
- Black (43%)





- Cyan (99%)
- Magenta (43%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3264, 0.2314, 0.3517 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 22.3264, 0.2314, 0.3517 by changing the saturation by 10% instead.


 22.3264, 0.2314,
0.3517

 22.3264, 0.2314,
0.3517


 264.2461, 0.2763,
0.3397


 14.0969, 0.2187,
0.3548


 47.2849, 0.2488,
0.3472

 8.1881, 0.2013,
0.3589


 64.7827, 0.2550,
0.3456


 4.2156, 0.1765,
0.3643

 86.1387, 0.2601,
0.3442

 1.7949, 0.1364,
0.3721

 111.7373, 0.2644,
0.3430

 0.4840, 0.0000,
0.3858

 141.9630, 0.2680,
0.3420

 0.0000, 0.0000,
0.0000

 177.2001, 0.2712,

0.3411

217.8330, 0.2739,
0.3404

■ 22.3264, 0.2314,
0.3517

■ 22.3264, 0.2314,
0.3517

■ 22.3025, 0.2312,
0.3522

■ 22.4640, 0.2328,
0.3492

■ 22.6808, 0.2356,
0.3467

■ 23.0015, 0.2402,
0.3441

■ 23.4385, 0.2466,
0.3416

■ 24.0021, 0.2548,
0.3392

■ 24.7018, 0.2646,
0.3368

■ 25.5458, 0.2758,
0.3345

■ 26.5420, 0.2882,
0.3324

■ 27.6976, 0.3015,
0.3305

Harmonies

Analogous

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



22.3264, 0.2805, 0.4126



22.3264, 0.2314, 0.3517



22.3264, 0.2050, 0.2902

Triad

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



22.3264, 0.2314, 0.3517



22.3264, 0.2748, 0.2375



22.3264, 0.4326, 0.3957

Complementary

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



22.3264, 0.2314, 0.3517



6.2050, 0.6249, 0.3241

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.



22.3264, 0.4339, 0.3485



22.3264, 0.2314, 0.3517



22.3264, 0.3370, 0.2623

Square

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



22.3264, 0.2314, 0.3517



22.3264, 0.2281, 0.2319



22.3264, 0.3977, 0.3015



22.3264, 0.3974, 0.4328

Rectangle

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



22.3264, 0.2314, 0.3517



22.3264, 0.2016, 0.2598



22.3264, 0.3977, 0.3015



22.3264, 0.4373, 0.3805

Sweetspot

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



22.3272, 0.2314, 0.3517



44.8145, 0.2740, 0.3349



20.6650, 0.3025, 0.5960



9.8398, 0.2696, 0.3357



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.



22.3272, 0.2314, 0.3517



39.3310, 0.2313, 0.3527



8.8083, 0.1872, 0.1922



6.5546, 0.2999, 0.3307



19.6269, 0.2311, 0.3521



0.2421, 0.2276, 0.3395

Inverse Universe

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



6.2050, 0.6249, 0.3241



10.8135, 0.6320, 0.3255



9.6188, 0.5568, 0.3932



5.8222, 0.3271, 0.3273



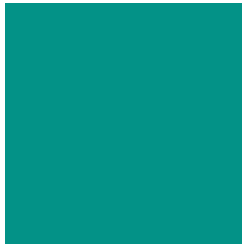
5.4009, 0.6287, 0.3237



0.0675, 0.5787, 0.2961

Previews

White Background



This preview shows how the Yxy color 22.3264, 0.2314, 0.3517 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 22.3264, 0.2314, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

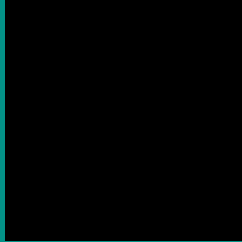
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3264, 0.2314, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 22.3264, 0.2314, 0.3517.



This preview shows how white text looks on a background with the Yxy color 22.3264, 0.2314, 0.3517.

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

22.3264, 0.2314, 0.3517

Protanopia

22.1677, 0.3218, 0.3361

Deuteranopia

22.1042, 0.3114, 0.3068



Tritanopia

22.3688, 0.2243, 0.3053

Trichromacy



Original Color

22.3264, 0.2314, 0.3517

Protanomaly

20.8914, 0.2686, 0.3409

Deuteranomaly

20.6847, 0.2622, 0.3191

Tritanomaly

22.2668, 0.2257, 0.3207

Monochromacy



Original Color

22.3264, 0.2314, 0.3517

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.3300, 0.2594, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3264, 0.2314, 0.3517 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(3, 146, 135)` looks like.

```
.text, #text, p{  
    color:rgb(3, 146, 135)  
}
```

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(3, 146, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 146, 135) }
```

Border

The CSS property to change the border of an element to Yxy 22.3264, 0.2314, 0.3517 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(3, 146, 135) }
```

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

```
.border{ border-color:rgb(3, 146, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 146, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 146, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 146, 135);  
box-shadow:4px 4px 4px 4px rgb(3, 146,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3264, 0.2314, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 146, 135) }
```

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

```
.background{ background-color: rgb(3, 146,  
135) }
```

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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