

Converting Colors

$Yxy(20.5764, 0.1953, 0.3609)$

Have a look what the booklet for
Yxy(20.5764, 0.1953, 0.3609)
contains.

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Color

$\text{Yxy}(22.2237, 0.2329, 0.3583)$

Conversions

Conversions Part 1

Format	Color
Hex	009284
RGB	0, 146, 132
RGB Percent	0%, 57%, 52%
CMY	0.9990, 0.4275, 0.4824
CMYK	1.00, 0.00, 0.10, 0.43
HSL	174°, 100%, 29%
HSV	174°, 100%, 57%
XYZ	14.4457, 22.2237, 25.3560
YIQ	100.7500, -82.5220, -35.3060

Conversions

Conversions Part 2

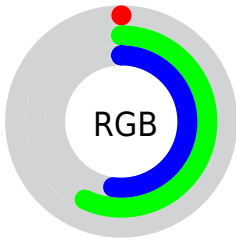
Format	Color
RYB	0, 77, 146
Decimal	37508
CIELab	54.26, -36.03, -1.90
CIELCh	54, 36.079, 183.023
Yxy	22.2237, 0.2329, 0.3583
Android (android.graphics.Color)	4278227588 (0xFF009284)
YUV	100.7500, 15.4062, -88.3577
Hunter-Lab	47.1420, -27.8008, 1.1095

Details

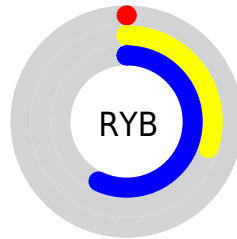
The Yxy color **22.2237, 0.2329, 0.3583** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1489, 0.6260, 0.3225**, and the grayscale version is **12.9424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3023, 0.2503, 0.3526**, and **8.6299, 0.2343, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **22.2221, 0.2329, 0.3584**, and if you desaturate by 10%, it is **22.3619, 0.2340, 0.3551**.

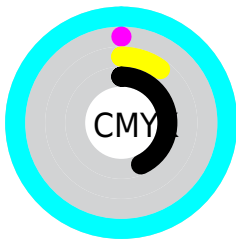
Distribution



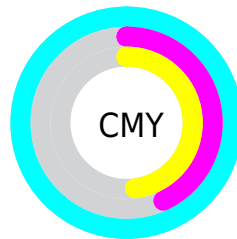
- Red (0%)
- Green (57%)
- Blue (52%)



- Red (0%)
- Yellow (30%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2237, 0.2329, 0.3583 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 22.2237, 0.2329, 0.3583 by changing the saturation by 10% instead.


 22.2237, 0.2329,
0.3583


 22.2237, 0.2329,
0.3583


 263.7123, 0.2771,
0.3424


 14.0214, 0.2203,
0.3627


 47.1154, 0.2501,
0.3522

 8.1355, 0.2030,
0.3686


 64.5736, 0.2562,
0.3500


 4.1818, 0.1782,
0.3768

 85.8859, 0.2612,
0.3482


 1.7758, 0.1366,
0.3903

 111.4367, 0.2654,
0.3466

 0.4720, 0.0000,
0.4218

 141.6103, 0.2690,
0.3453

 0.0000, 0.0000,
0.0000

 176.7912, 0.2721,

0.3442

217.3637, 0.2748,
0.3432

■ 22.2237, 0.2329,
0.3583

■ 22.2237, 0.2329,
0.3583

■ 22.2221, 0.2329,
0.3584

■ 22.3619, 0.2340,
0.3551

■ 22.5687, 0.2364,
0.3519

■ 22.8773, 0.2405,
0.3487

■ 23.3002, 0.2465,
0.3455

■ 23.8481, 0.2542,
0.3424

■ 24.5307, 0.2636,
0.3394

■ 25.3563, 0.2744,
0.3365

■ 26.3330, 0.2864,
0.3338

■ 27.4680, 0.2994,
0.3313

Harmonies

Analogous

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



22.2237, 0.2848, 0.4196



22.2237, 0.2329, 0.3583



22.2237, 0.2037, 0.2939

Triad

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



22.2237, 0.2329, 0.3583



22.2237, 0.2686, 0.2340



22.2237, 0.4374, 0.3930

Complementary

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



22.2237, 0.2329, 0.3583



6.1489, 0.6260, 0.3225

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.



22.2237, 0.4354, 0.3443



22.2237, 0.2329, 0.3583



22.2237, 0.3317, 0.2578

Square

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



22.2237, 0.2329, 0.3583



22.2237, 0.2228, 0.2301



22.2237, 0.3951, 0.2967



22.2237, 0.4037, 0.4328

Rectangle

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



22.2237, 0.2329, 0.3583



22.2237, 0.1988, 0.2614



22.2237, 0.3951, 0.2967



22.2237, 0.4411, 0.3771

Sweetspot

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



22.2245, 0.2329, 0.3583



44.6088, 0.2735, 0.3367



20.6578, 0.3029, 0.5975



9.7973, 0.2693, 0.3378



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.



22.2245, 0.2329, 0.3583



39.1901, 0.2331, 0.3590



9.0079, 0.1876, 0.1952



6.5527, 0.3002, 0.3311



19.5581, 0.2328, 0.3582



0.2416, 0.2284, 0.3424

Inverse Universe

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



6.1489, 0.6260, 0.3225



10.8246, 0.6293, 0.3240



9.1940, 0.5660, 0.3885



5.8239, 0.3268, 0.3269



5.4074, 0.6257, 0.3220



0.0680, 0.5655, 0.2889

Previews

White Background



This preview shows how the Yxy color 22.2237, 0.2329, 0.3583 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 22.2237, 0.2329, 0.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

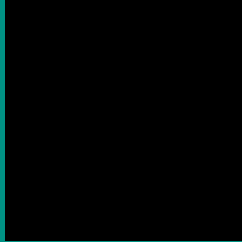
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2237, 0.2329, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 22.2237, 0.2329, 0.3583.

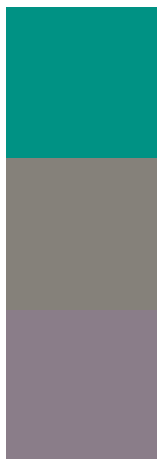


This preview shows how white text looks on a background with the Yxy color 22.2237, 0.2329, 0.3583.

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

22.2237, 0.2329, 0.3583

Protanopia

22.0922, 0.3252, 0.3415

Deuteranopia

21.8766, 0.3149, 0.3085



Tritanopia

22.3713, 0.2255, 0.3072

Trichromacy



Original Color

22.2237, 0.2329, 0.3583

Protanomaly

20.7656, 0.2703, 0.3470

Deuteranomaly

20.5990, 0.2648, 0.3249

Tritanomaly

22.2160, 0.2271, 0.3247

Monochromacy



Original Color

22.2237, 0.2329, 0.3583

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.9824, 0.2591, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2237, 0.2329, 0.3583 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(0, 146, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 132)  
}
```

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(0, 146, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 132) }
```

Border

The CSS property to change the border of an element to Yxy 22.2237, 0.2329, 0.3583 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(0, 146, 132) }
```

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

```
.border{ border-color:rgb(0, 146, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2237, 0.2329, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 132) }
```

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

```
.background{ background-color: rgb(0, 146,  
132) }
```

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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