

Converting Colors

$Yxy(21.9460, 0.1645, 0.3462)$

Have a look what the booklet for
Yxy(21.9460, 0.1645, 0.3462)
contains.

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Color

Yxy(25.1865, 0.2290, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	009A92
RGB	0, 154, 146
RGB Percent	0%, 60%, 57%
CMY	1.0000, 0.3961, 0.4274
CMYK	1.00, 0.00, 0.05, 0.40
HSL	177°, 100%, 30%
HSV	177°, 100%, 60%
XYZ	16.7423, 25.1865, 31.1815
YIQ	107.0420, -89.2160, -35.1360

Conversions

Conversions Part 2

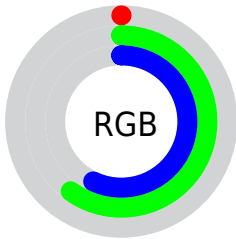
Format	Color
RYB	0, 79, 154
Decimal	39570
CIELab	57.26, -35.48, -5.52
CIELCh	57, 35.907, 188.849
Yxy	25.1865, 0.2290, 0.3445
Android (android.graphics.Color)	4278229650 (0xFF009A92)
YUV	107.0420, 19.2063, -93.8758
Hunter-Lab	50.1862, -28.2776, -1.7076

Details

The Yxy color **25.1865, 0.2290, 0.3445** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8882, 0.6333, 0.3262**, and the grayscale version is **14.6812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9447, 0.2462, 0.3416**, and **10.3473, 0.2294, 0.3459** is the 20% darker color. If you saturate the color by 10%, you get **25.1893, 0.2290, 0.3445**, and if you desaturate by 10%, it is **25.3192, 0.2304, 0.3428**.

Distribution



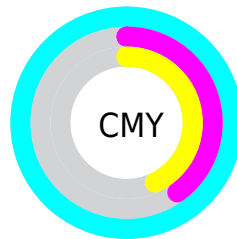
- Red (0%)
- Green (60%)
- Blue (57%)



- Red (0%)
- Yellow (31%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1865, 0.2290, 0.3445 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 25.1865, 0.2290, 0.3445 by changing the saturation by 10% instead.


 25.1865, 0.2290,
0.3445


 25.1865, 0.2290,
0.3445


 278.7655, 0.2742,
0.3369


 16.2161, 0.2166,
0.3462


 51.9596, 0.2462,
0.3418


 9.6772, 0.2000,
0.3482


 70.5311, 0.2525,
0.3408

 5.1854, 0.1768,
0.3504

 93.0717, 0.2576,
0.3399

 2.3565, 0.1426,
0.3521

 119.9658, 0.2620,
0.3392

 0.8034, 0.0000,
0.3833

 151.5979, 0.2657,
0.3385

 0.0000, 0.0000,
0.0000

 188.3522, 0.2689,

0.3379

230.6133, 0.2717,
0.3374

■ 25.1865, 0.2290,
0.3445

■ 25.1865, 0.2290,
0.3445

■ 25.1893, 0.2290,
0.3445

■ 25.3192, 0.2304,
0.3428

■ 25.5276, 0.2330,
0.3412

■ 25.8502, 0.2373,
0.3395

■ 26.3015, 0.2435,
0.3378

■ 26.8937, 0.2515,
0.3361

■ 27.6378, 0.2612,
0.3345

■ 28.5435, 0.2725,
0.3330

■ 29.6199, 0.2850,
0.3316

■ 30.8752, 0.2985,
0.3302

Harmonies

Analogous

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



25.1865, 0.2753, 0.4055



25.1865, 0.2290, 0.3445



25.1865, 0.2056, 0.2856

Triad

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



25.1865, 0.2290, 0.3445



25.1865, 0.2814, 0.2408



25.1865, 0.4282, 0.3993

Complementary

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



25.1865, 0.2290, 0.3445



6.8882, 0.6333, 0.3262

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.



25.1865, 0.4332, 0.3534



25.1865, 0.2290, 0.3445



25.1865, 0.3434, 0.2670

Square

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



25.1865, 0.2290, 0.3445



25.1865, 0.2334, 0.2331



25.1865, 0.4012, 0.3067



25.1865, 0.3909, 0.4336

Rectangle

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



25.1865, 0.2290, 0.3445



25.1865, 0.2040, 0.2574



25.1865, 0.4012, 0.3067



25.1865, 0.4339, 0.3846

Sweetspot

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



25.1893, 0.2290, 0.3445



51.7393, 0.2717, 0.3331



23.1796, 0.3018, 0.5986



11.5581, 0.2672, 0.3337



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.1893, 0.2290, 0.3445



45.7452, 0.2291, 0.3448



9.1936, 0.1841, 0.1827



7.0210, 0.2996, 0.3301



20.5222, 0.2290, 0.3444



0.3083, 0.2269, 0.3368

Inverse Universe

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



6.8882, 0.6333, 0.3262



12.5029, 0.6352, 0.3273



10.8537, 0.5579, 0.3952



6.2276, 0.3275, 0.3279



5.6131, 0.6325, 0.3258



0.0851, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 25.1865, 0.2290, 0.3445 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 25.1865, 0.2290, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

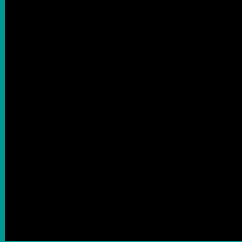
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1865, 0.2290, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 25.1865, 0.2290, 0.3445.

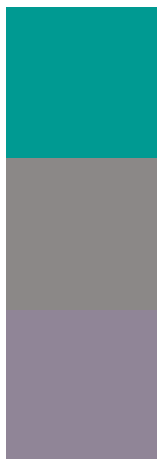


This preview shows how white text looks on a background with the Yxy color 25.1865, 0.2290, 0.3445.

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

25.1865, 0.2290, 0.3445

Protanopia

24.8466, 0.3171, 0.3307

Deuteranopia

24.9387, 0.3063, 0.2999



Tritanopia

25.1536, 0.2231, 0.3046

Trichromacy



Original Color

25.1865, 0.2290, 0.3445

Protanomaly

23.5837, 0.2640, 0.3365

Deuteranomaly

23.4950, 0.2588, 0.3141

Tritanomaly

25.0614, 0.2247, 0.3192

Monochromacy



Original Color

25.1865, 0.2290, 0.3445

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

17.0247, 0.2570, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1865, 0.2290, 0.3445 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, 154, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 146)  
}
```

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, 154, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 146) }
```

Border

The CSS property to change the border of an element to Yxy 25.1865, 0.2290, 0.3445 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, 154, 146) }
```

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

```
.border{ border-color:rgb(0, 154, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1865, 0.2290, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 146) }
```

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

```
.background{ background-color: rgb(0, 154,  
146) }
```

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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