

Converting Colors

$Yxy(24.9736, 0.2455, 0.4039)$

Have a look what the booklet for
Yxy(24.9736, 0.2455, 0.4039)
contains.

Yxy(25.1330, 0.2455, 0.4039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.1330, 0.2455, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	009C78
RGB	0, 156, 120
RGB Percent	0%, 61%, 47%
CMY	1.0000, 0.3882, 0.5294
CMYK	1.00, 0.00, 0.23, 0.39
HSL	166°, 100%, 31%
HSV	166°, 100%, 61%
XYZ	15.2764, 25.1330, 21.8164
YIQ	105.2520, -81.4200, -44.2680

Conversions

Conversions Part 2

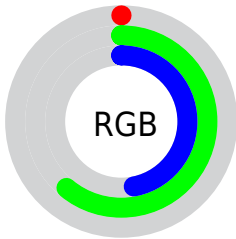
Format	Color
RYB	0, 88, 156
Decimal	40056
CIELab	57.20, -43.69, 9.18
CIELCh	57, 44.641, 168.129
Yxy	25.1330, 0.2455, 0.4039
Android (android.graphics.Color)	4278230136 (0xFF009C78)
YUV	105.2520, 7.2708, -92.3060
Hunter-Lab	50.1328, -33.3401, 9.2917

Details

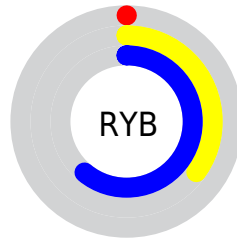
The Yxy color **25.1330, 0.2455, 0.4039** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.1960, 0.5959, 0.3056**, and the grayscale version is **14.1961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6418, 0.2603, 0.3866**, and **10.1684, 0.2512, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **25.1355, 0.2455, 0.4039**, and if you desaturate by 10%, it is **25.3313, 0.2453, 0.3956**.

Distribution



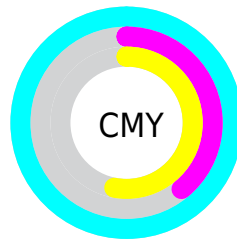
- Red (0%)
- Green (61%)
- Blue (47%)



- Red (0%)
- Yellow (35%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1330, 0.2455, 0.4039 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 25.1330, 0.2455, 0.4039 by changing the saturation by 10% instead.


 25.1330, 0.2455,
0.4039


 25.1330, 0.2455,
0.4039


278.4996, 0.2831,
0.3610


 16.1762, 0.2346,
0.4169


 51.8729, 0.2603,
0.3868


 9.6489, 0.2194,
0.4352


 70.4248, 0.2655,
0.3808


 5.1668, 0.1973,
0.4630

 92.9438, 0.2697,
0.3760

 2.3455, 0.1617,
0.5098

 119.8143, 0.2733,
0.3720

 0.7976, 0.0000,
0.7789

 151.4208, 0.2763,
0.3686

 0.0000, 0.0000,
0.0000

 188.1475, 0.2789,

0.3657

230.3790, 0.2811,
0.3632

■ 25.1330, 0.2455,
0.4039

■ 25.1330, 0.2455,
0.4039

■ 25.1355, 0.2455,
0.4039

■ 25.3313, 0.2453,
0.3956

■ 25.6115, 0.2465,
0.3872

■ 26.0124, 0.2495,
0.3788

■ 26.5491, 0.2545,
0.3705

■ 27.2343, 0.2612,
0.3625

■ 28.0793, 0.2694,
0.3548

■ 29.0943, 0.2790,
0.3476

■ 30.2885, 0.2895,
0.3409

■ 31.6705, 0.3009,
0.3346

Harmonies

Analogous

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



25.1330, 0.3142, 0.4617



25.1330, 0.2455, 0.4039



25.1330, 0.1985, 0.3220

Triad

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



25.1330, 0.2455, 0.4039



25.1330, 0.2312, 0.2137



25.1330, 0.4647, 0.3730

Complementary

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



25.1330, 0.2455, 0.4039



7.1960, 0.5959, 0.3056

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.



25.1330, 0.4398, 0.3169



25.1330, 0.2455, 0.4039



25.1330, 0.2958, 0.2304

Square

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



25.1330, 0.2455, 0.4039



25.1330, 0.1922, 0.2210



25.1330, 0.3743, 0.2669



25.1330, 0.4426, 0.4273

Rectangle

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



25.1330, 0.2455, 0.4039



25.1330, 0.1835, 0.2750



25.1330, 0.3743, 0.2669



25.1330, 0.4618, 0.3541

Sweetspot

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



25.1355, 0.2455, 0.4039



52.7198, 0.2784, 0.3480



24.1617, 0.3097, 0.5923



11.4358, 0.2745, 0.3508



78.7412, 0.3127, 0.3290



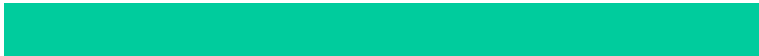
13.2868, 0.3127, 0.3290

Same Dimension

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



25.1355, 0.2455, 0.4039



45.6174, 0.2460, 0.4055



14.5268, 0.2004, 0.2412



7.4833, 0.3017, 0.3342



20.7073, 0.2454, 0.4033



0.3762, 0.2361, 0.3700

Inverse Universe

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



7.1960, 0.5959, 0.3056



13.0432, 0.6004, 0.3081



8.6965, 0.6018, 0.3603



6.6700, 0.3250, 0.3239



5.9314, 0.5941, 0.3047



0.1118, 0.4979, 0.2516

Previews

White Background



This preview shows how the Yxy color 25.1330, 0.2455, 0.4039 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 25.1330, 0.2455, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

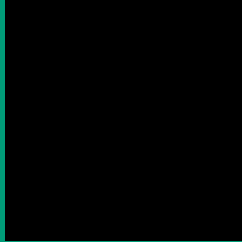
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1330, 0.2455, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 25.1330, 0.2455, 0.4039.



This preview shows how white text looks on a background with the Yxy color 25.1330, 0.2455, 0.4039.

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

25.1330, 0.2455, 0.4039

Protanopia

24.7539, 0.3511, 0.3731

Deuteranopia

24.8532, 0.3463, 0.3405



Tritanopia

25.1100, 0.2280, 0.3047

Trichromacy



Original Color

25.1330, 0.2455, 0.4039



Protanomaly

23.1351, 0.2885, 0.3863



Deuteranomaly

23.0765, 0.2858, 0.3637



Tritanomaly

24.8544, 0.2324, 0.3385

Monochromacy



Original Color

25.1330, 0.2455, 0.4039



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.7344, 0.2659, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1330, 0.2455, 0.4039 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, 156, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 120)  
}
```

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, 156, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 120) }
```

Border

The CSS property to change the border of an element to Yxy 25.1330, 0.2455, 0.4039 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, 156, 120) }
```

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

```
.border{ border-color:rgb(0, 156, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1330, 0.2455, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 120) }
```

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

```
.background{ background-color: rgb(0, 156,  
120) }
```

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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