

Converting Colors

$Y_{xy}(22.1997, 0.1985, 0.4169)$

Have a look what the booklet for
Yxy(22.1997, 0.1985, 0.4169)
contains.

Yxy(24.3956, 0.2464, 0.4071)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.3956, 0.2464, 0.4071)$

Conversions

Conversions Part 1

Format	Color
Hex	009A75
RGB	0, 154, 117
RGB Percent	0%, 60%, 46%
CMY	1.0000, 0.3961, 0.5411
CMYK	1.00, 0.00, 0.24, 0.40
HSL	166°, 100%, 30%
HSV	166°, 100%, 60%
XYZ	14.7656, 24.3956, 20.7641
YIQ	103.7360, -79.9070, -44.1550

Conversions

Conversions Part 2

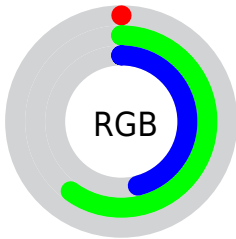
Format	Color
RYB	0, 88, 154
Decimal	39541
CIELab	56.48, -43.63, 9.85
CIELCh	56, 44.732, 167.280
Yxy	24.3956, 0.2464, 0.4071
Android (android.graphics.Color)	4278229621 (0xFF009A75)
YUV	103.7360, 6.5392, -90.9765
Hunter-Lab	49.3919, -33.0736, 9.6491

Details

The Yxy color **24.3956, 0.2464, 0.4071** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.0040, 0.5928, 0.3039**, and the grayscale version is **13.7685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4917, 0.2610, 0.3888**, and **9.9324, 0.2533, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **24.3975, 0.2464, 0.4071**, and if you desaturate by 10%, it is **24.5912, 0.2461, 0.3984**.

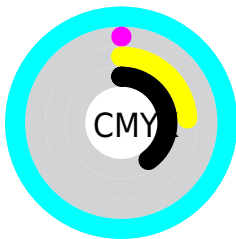
Distribution



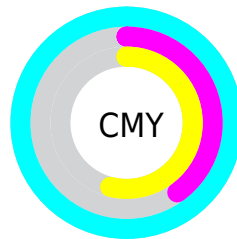
- Red (0%)
- Green (60%)
- Blue (46%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3956, 0.2464, 0.4071 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 24.3956, 0.2464, 0.4071 by changing the saturation by 10% instead.


 24.3956, 0.2464,
0.4071

 24.3956, 0.2464,
0.4071


274.8144, 0.2838,
0.3621


 15.6273, 0.2354,
0.4209


 50.6750, 0.2611,
0.3890

 9.2608, 0.2201,
0.4405


 68.9549, 0.2663,
0.3828


 4.9117, 0.1976,
0.4704

 91.1742, 0.2705,
0.3777

 2.1955, 0.1592,
0.5224

 117.7172, 0.2741,
0.3735

 0.7176, 0.0000,
0.8856

 148.9683, 0.2771,
0.3700

 0.0000, 0.0000,
0.0000

 185.3120, 0.2796,

0.3670

227.1326, 0.2818,
0.3644

■ 24.3956, 0.2464,
0.4071

■ 24.3956, 0.2464,
0.4071

■ 24.3975, 0.2464,
0.4071

■ 24.5912, 0.2461,
0.3984

■ 24.8667, 0.2473,
0.3896

■ 25.2598, 0.2502,
0.3809

■ 25.7849, 0.2551,
0.3723

■ 26.4544, 0.2617,
0.3639

■ 27.2791, 0.2699,
0.3559

■ 28.2690, 0.2793,
0.3484

■ 29.4331, 0.2898,
0.3413

■ 30.7797, 0.3010,
0.3349

Harmonies

Analogous

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



24.3956, 0.3162, 0.4643



24.3956, 0.2464, 0.4071



24.3956, 0.1982, 0.3241

Triad

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



24.3956, 0.2464, 0.4071



24.3956, 0.2288, 0.2124



24.3956, 0.4664, 0.3716

Complementary

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



24.3956, 0.2464, 0.4071



7.0040, 0.5928, 0.3039

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.



24.3956, 0.4399, 0.3151



24.3956, 0.2464, 0.4071



24.3956, 0.2934, 0.2287

Square

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



24.3956, 0.2464, 0.4071



24.3956, 0.1903, 0.2204



24.3956, 0.3728, 0.2650



24.3956, 0.4452, 0.4267

Rectangle

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



24.3956, 0.2464, 0.4071



24.3956, 0.1825, 0.2760



24.3956, 0.3728, 0.2650



24.3956, 0.4631, 0.3525

Sweetspot

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



24.3975, 0.2464, 0.4071



51.2325, 0.2787, 0.3488



23.5345, 0.3109, 0.5913



11.4296, 0.2749, 0.3517



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.



24.3975, 0.2464, 0.4071



44.2854, 0.2469, 0.4088



14.7099, 0.2020, 0.2472



7.0012, 0.3019, 0.3344



19.8817, 0.2462, 0.4064



0.3027, 0.2355, 0.3679

Inverse Universe

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



7.0040, 0.5928, 0.3039



12.6966, 0.5974, 0.3064



8.2890, 0.6054, 0.3575



6.2458, 0.3248, 0.3237



5.7109, 0.5908, 0.3028



0.0904, 0.4901, 0.2473

Previews

White Background



This preview shows how the Yxy color 24.3956, 0.2464, 0.4071 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 24.3956, 0.2464, 0.4071 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 24.3956, 0.2464, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 24.3956, 0.2464, 0.4071.



This preview shows how white text looks on a background with the Yxy color 24.3956, 0.2464, 0.4071.

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

24.3956, 0.2464, 0.4071

Protanopia

23.9725, 0.3516, 0.3737

Deuteranopia

24.0458, 0.3479, 0.3423



Tritanopia

24.3708, 0.2287, 0.3063

Trichromacy



Original Color

24.3956, 0.2464, 0.4071



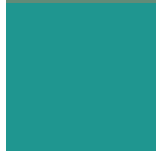
Protanomaly

22.4216, 0.2900, 0.3892



Deuteranomaly

22.3627, 0.2874, 0.3661



Tritanomaly

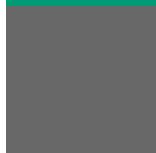
24.1176, 0.2331, 0.3407

Monochromacy



Original Color

24.3956, 0.2464, 0.4071



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.1814, 0.2653, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3956, 0.2464, 0.4071 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, 117)` looks like.

```
.text, #text, p{  
  color:rgb(0, 154, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 117) }
```

Border

The CSS property to change the border of an element to Yxy 24.3956, 0.2464, 0.4071 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, 117) }
```

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

```
.border{ border-color:rgb(0, 154, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3956, 0.2464, 0.4071 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, 117) }
```

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

```
.background{ background-color: rgb(0, 154,  
117) }
```

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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