

Converting Colors

$Yxy(29.1070, 0.2479, 0.3678)$

Have a look what the booklet for
Yxy(29.1070, 0.2479, 0.3678)
contains.

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Color

$\text{Yxy}(28.9618, 0.2475, 0.3662)$

Conversions

Conversions Part 1

Format	Color
Hex	36A38F
RGB	54, 163, 143
RGB Percent	21%, 64%, 56%
CMY	0.7885, 0.3608, 0.4391
CMYK	0.67, 0.00, 0.12, 0.36
HSL	169°, 50%, 43%
HSV	169°, 67%, 64%
XYZ	19.5741, 28.9618, 30.5515
YIQ	128.1290, -58.5440, -29.3280

Conversions

Conversions Part 2

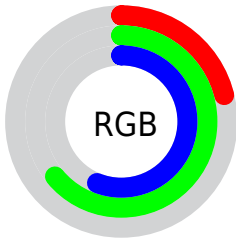
Format	Color
R_{YB}	54, 114, 163
Decimal	3580815
CIE _{Lab}	60.75, -35.54, 1.39
CIE _{LCh}	61, 35.568, 177.761
Yxy	28.9618, 0.2475, 0.3662
Android (android.graphics.Color)	4281770895 (0xFF36A38F)
YUV	128.1290, 7.3314, -65.0111
Hunter-Lab	53.8162, -29.2539, 4.0124

Details

The Yxy color **28.9618, 0.2475, 0.3662** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.9117, 0.4876, 0.3014**, and the grayscale version is **21.6164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2717, 0.2607, 0.3587**, and **11.9422, 0.2378, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **28.4964, 0.2435, 0.3727**, and if you desaturate by 10%, it is **29.5830, 0.2533, 0.3598**.

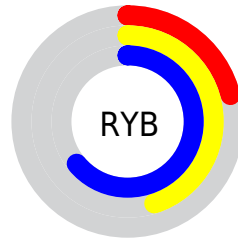
Distribution



Red (21%)

Green (64%)

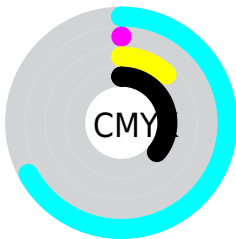
Blue (56%)



Red (21%)

Yellow (45%)

Blue (64%)

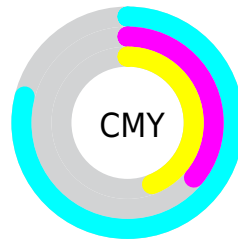


Cyan (67%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (79%)


Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9618, 0.2475, 0.3662 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 28.9618, 0.2475, 0.3662 by changing the saturation by 10% instead.


 28.9618, 0.2475,
0.3662


 28.9618, 0.2475,
0.3662

297.0347, 0.2825,
0.3461

 19.0519, 0.2379,
0.3718


 58.0164, 0.2608,
0.3585


 11.7078, 0.2251,
0.3793


 77.9299, 0.2657,
0.3557


 6.5450, 0.2071,
0.3899


 101.9467, 0.2697,
0.3534

 3.1792, 0.1801,
0.4061

 130.4513, 0.2730,
0.3515

 1.2260, 0.0973,
0.4529

 163.8280, 0.2759,
0.3498

 0.0828, 0.0000,
1.0000

202.4612, 0.2784,

 0.0000, 0.0000,

0.3484

0.0000

246.7353, 0.2806,
0.3472

■ 28.9618, 0.2475,
0.3662

■ 28.9618, 0.2475,
0.3662

■ 28.4964, 0.2435,
0.3727

■ 29.5830, 0.2533,
0.3598

■ 28.1674, 0.2414,
0.3792

■ 30.3702, 0.2609,
0.3536

■ 27.9523, 0.2410,
0.3857

■ 31.3366, 0.2700,
0.3477

■ 27.8943, 0.2410,
0.3877

■ 32.4934, 0.2804,
0.3421

■ 33.8505, 0.2918,
0.3368

■ 35.4173, 0.3040,
0.3321

■ 37.2027, 0.3166,
0.3277

■ 39.2150, 0.3295,
0.3238

■ 41.4619, 0.3425,
0.3203

Harmonies

Analogous

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



28.9618, 0.2977, 0.4169



28.9618, 0.2475, 0.3662



28.9618, 0.2163, 0.3072

Triad

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



28.9618, 0.2475, 0.3662



28.9618, 0.2642, 0.2401



28.9618, 0.4279, 0.3808

Complementary

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



28.9618, 0.2475, 0.3662



10.9117, 0.4876, 0.3014

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.



28.9618, 0.4193, 0.3359



28.9618, 0.2475, 0.3662



28.9618, 0.3196, 0.2590

Square

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



28.9618, 0.2475, 0.3662



28.9618, 0.2255, 0.2403



28.9618, 0.3781, 0.2929



28.9618, 0.4030, 0.4187

Rectangle

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



28.9618, 0.2475, 0.3662



28.9618, 0.2087, 0.2750



28.9618, 0.3781, 0.2929



28.9618, 0.4290, 0.3661

Sweetspot

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



28.9629, 0.2475, 0.3662



59.7371, 0.2878, 0.3386



27.9155, 0.3159, 0.5318



13.2702, 0.2847, 0.3400



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.9629, 0.2475, 0.3662



50.7321, 0.2423, 0.3757



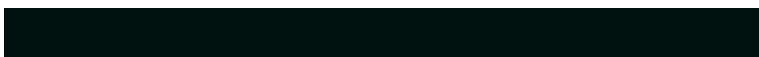
18.9864, 0.2198, 0.2623



7.9889, 0.3011, 0.3331



21.6830, 0.2409, 0.3871



0.4611, 0.2344, 0.3636

Inverse Universe

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



10.9117, 0.4876, 0.3014



16.1103, 0.5475, 0.3031



15.1092, 0.4850, 0.3798



7.1062, 0.3257, 0.3249



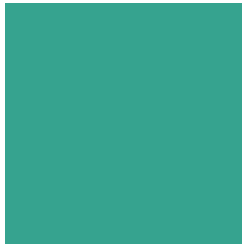
6.1290, 0.6079, 0.3122



0.1343, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 28.9618, 0.2475, 0.3662 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 28.9618, 0.2475, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

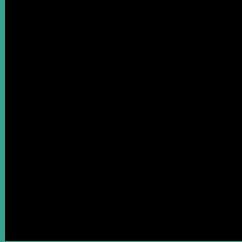
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9618, 0.2475, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 28.9618, 0.2475, 0.3662.

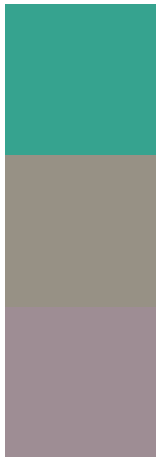


This preview shows how white text looks on a background with the Yxy color 28.9618, 0.2475, 0.3662.

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

28.9618, 0.2475, 0.3662

Protanopia

28.5236, 0.3311, 0.3482

Deuteranopia

28.4570, 0.3240, 0.3183



Tritanopia

28.9681, 0.2343, 0.3063

Trichromacy



Original Color

28.9618, 0.2475, 0.3662

Protanomaly

27.9756, 0.2913, 0.3551

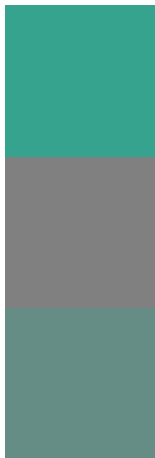
Deuteranomaly

27.5633, 0.2870, 0.3341

Tritanomaly

28.7390, 0.2388, 0.3270

Monochromacy



Original Color

28.9618, 0.2475, 0.3662

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.5099, 0.2798, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9618, 0.2475, 0.3662 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(54, 163, 143)` looks like.

```
.text, #text, p{  
    color:rgb(54, 163, 143)  
}
```

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(54, 163, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 163, 143) }
```

Border

The CSS property to change the border of an element to Yxy 28.9618, 0.2475, 0.3662 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(54, 163, 143) }
```

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

```
.border{ border-color:rgb(54, 163, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 163, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 163, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 163, 143);  
box-shadow:4px 4px 4px 4px rgb(54, 163,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9618, 0.2475, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 163, 143) }
```

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

```
.background{ background-color: rgb(54, 163,  
143) }
```

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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