

Converting Colors

$Yxy(28.2559, 0.2449, 0.3459)$

Have a look what the booklet for
Yxy(28.2559, 0.2449, 0.3459)
contains.

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Color

$\text{Yxy}(28.3357, 0.2451, 0.3472)$

Conversions

Conversions Part 1

Format	Color
Hex	3DA096
RGB	61, 160, 150
RGB Percent	24%, 63%, 59%
CMY	0.7606, 0.3726, 0.4117
CMYK	0.62, 0.00, 0.06, 0.37
HSL	174°, 45%, 43%
HSV	174°, 62%, 63%
XYZ	20.0031, 28.3357, 33.2732
YIQ	129.2590, -55.7940, -24.0980

Conversions

Conversions Part 2

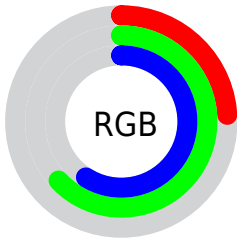
Format	Color
R_{YB}	61, 113, 160
Decimal	4038806
CIE _{Lab}	60.19, -31.00, -3.35
CIE _{LCh}	60, 31.179, 186.167
Yxy	28.3357, 0.2451, 0.3472
Android (android.graphics.Color)	4282228886 (0xFF3DA096)
YUV	129.2590, 10.2253, -59.8631
Hunter-Lab	53.2313, -26.0785, 0.2016

Details

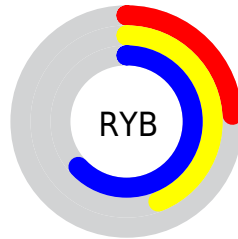
The Yxy color **28.3357, 0.2451, 0.3472** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2719, 0.4833, 0.3148**, and the grayscale version is **22.0321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8824, 0.2586, 0.3436**, and **11.6260, 0.2315, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **27.8504, 0.2396, 0.3506**, and if you desaturate by 10%, it is **28.9754, 0.2524, 0.3439**.

Distribution



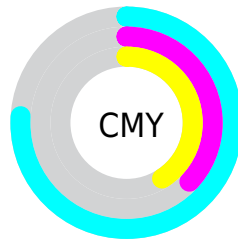
- Red (24%)
- Green (63%)
- Blue (59%)



- Red (24%)
- Yellow (44%)
- Blue (63%)



- Cyan (62%)
- Magenta (0%)
- Yellow (6%)
- Black (37%)





- Cyan (76%)
- Magenta (37%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3357, 0.2451, 0.3472 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 28.3357, 0.2451, 0.3472 by changing the saturation by 10% instead.

 28.3357, 0.2451,
0.3472


 28.3357, 0.2451,
0.3472


294.0676, 0.2812,
0.3379

 18.5789, 0.2353,
0.3496


 57.0200, 0.2588,
0.3438


 11.3664, 0.2222,
0.3526


 76.7162, 0.2638,
0.3425


 6.3138, 0.2040,
0.3566


 100.4943, 0.2679,
0.3414

 3.0368, 0.1770,
0.3620

 128.7388, 0.2714,
0.3405

 1.1510, 0.1045,
0.3811

 161.8339, 0.2744,
0.3397

 0.0211, 0.0000,
0.0759

200.1642, 0.2770,

 0.0000, 0.0000,

0.3390

0.0000

244.1139, 0.2792,
0.3384

■ 28.3357, 0.2451,
0.3472

■ 28.3357, 0.2451,
0.3472

■ 27.8504, 0.2396,
0.3506

■ 28.9754, 0.2524,
0.3439

■ 27.5024, 0.2359,
0.3540

■ 29.7784, 0.2615,
0.3406

■ 27.2761, 0.2340,
0.3574

■ 30.7569, 0.2720,
0.3375

■ 27.1496, 0.2334,
0.3602

■ 31.9208, 0.2838,
0.3346

■ 33.2795, 0.2966,
0.3319

■ 34.8415, 0.3102,
0.3294

■ 36.6150, 0.3242,
0.3272

■ 38.6078, 0.3384,
0.3252

■ 40.8270, 0.3526,
0.3234

Harmonies

Analogous

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



28.3357, 0.2862, 0.3955



28.3357, 0.2451, 0.3472



28.3357, 0.2226, 0.2975

Triad

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



28.3357, 0.2451, 0.3472



28.3357, 0.2825, 0.2524



28.3357, 0.4114, 0.3866

Complementary

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



28.3357, 0.2451, 0.3472



11.2719, 0.4833, 0.3148

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.



28.3357, 0.4121, 0.3474



28.3357, 0.2451, 0.3472



28.3357, 0.3340, 0.2737

Square

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



28.3357, 0.2451, 0.3472



28.3357, 0.2428, 0.2478



28.3357, 0.3829, 0.3074



28.3357, 0.3829, 0.4154

Rectangle

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



28.3357, 0.2451, 0.3472



28.3357, 0.2197, 0.2721



28.3357, 0.3829, 0.3074



28.3357, 0.4150, 0.3741

Sweetspot

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



28.3368, 0.2451, 0.3472



58.5383, 0.2869, 0.3339



26.8789, 0.3116, 0.5192



12.7009, 0.2836, 0.3347



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.3368, 0.2451, 0.3472



50.3163, 0.2381, 0.3518



17.4677, 0.2224, 0.2549



7.4979, 0.3001, 0.3312



21.1536, 0.2333, 0.3599



0.3812, 0.2295, 0.3462

Inverse Universe

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



11.2719, 0.4833, 0.3148



16.6844, 0.5433, 0.3151



16.7310, 0.4590, 0.3878



6.6565, 0.3269, 0.3268



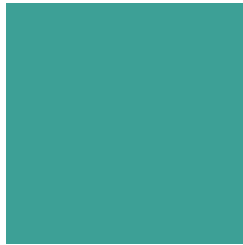
5.8546, 0.6253, 0.3218



0.1075, 0.5658, 0.2890

Previews

White Background



This preview shows how the Yxy color 28.3357, 0.2451, 0.3472 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 28.3357, 0.2451, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

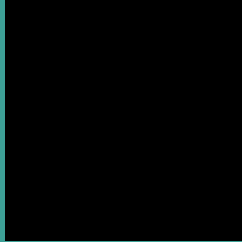
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3357, 0.2451, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 28.3357, 0.2451, 0.3472.

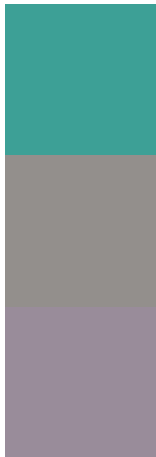


This preview shows how white text looks on a background with the Yxy color 28.3357, 0.2451, 0.3472.

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

28.3357, 0.2451, 0.3472

Protanopia

27.7414, 0.3200, 0.3339

Deuteranopia

27.8616, 0.3127, 0.3073



Tritanopia

28.3183, 0.2361, 0.3061

Trichromacy



Original Color

28.3357, 0.2451, 0.3472

Protanomaly

27.2215, 0.2850, 0.3376

Deuteranomaly

27.1604, 0.2808, 0.3188

Tritanomaly

28.2914, 0.2392, 0.3199

Monochromacy



Original Color

28.3357, 0.2451, 0.3472

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5054, 0.2789, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3357, 0.2451, 0.3472 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(61, 160, 150)` looks like.

```
.text, #text, p{  
    color:rgb(61, 160, 150)  
}
```

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(61, 160, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 160, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.3357, 0.2451, 0.3472 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(61, 160, 150) }
```

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

```
.border{ border-color:rgb(61, 160, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 160, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 160, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 160, 150);  
box-shadow:4px 4px 4px 4px rgb(61, 160,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3357, 0.2451, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 160, 150) }
```

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

```
.background{ background-color: rgb(61, 160,  
150) }
```

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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