

Converting Colors

$Y_{xy}(28.8312, 0.2459, 0.3652)$

Have a look what the booklet for
Yxy(28.8312, 0.2459, 0.3652)
contains.

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Color

$\text{Yxy}(28.8814, 0.2463, 0.3663)$

Conversions

Conversions Part 1

Format	Color
Hex	33A38F
RGB	51, 163, 143
RGB Percent	20%, 64%, 56%
CMY	0.8002, 0.3608, 0.4391
CMYK	0.69, 0.00, 0.12, 0.36
HSL	169°, 52%, 42%
HSV	169°, 69%, 64%
XYZ	19.4198, 28.8814, 30.5451
YIQ	127.2320, -60.3320, -29.9640

Conversions

Conversions Part 2

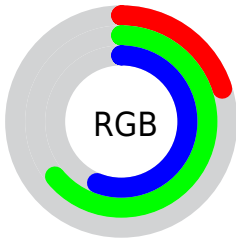
Format	Color
R_{YB}	51, 112, 163
Decimal	3384207
CIE _{Lab}	60.68, -36.01, 1.28
CIE _{LCh}	61, 36.035, 177.971
Yxy	28.8814, 0.2463, 0.3663
Android (android.graphics.Color)	4281574287 (0xFF33A38F)
YUV	127.2320, 7.7736, -66.8555
Hunter-Lab	53.7414, -29.5452, 3.9203

Details

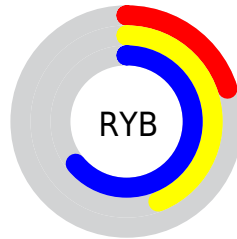
The Yxy color **28.8814, 0.2463, 0.3663** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.6055, 0.4962, 0.3021**, and the grayscale version is **21.2929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1390, 0.2597, 0.3588**, and **11.9422, 0.2378, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **28.4441, 0.2426, 0.3726**, and if you desaturate by 10%, it is **29.4716, 0.2518, 0.3601**.

Distribution



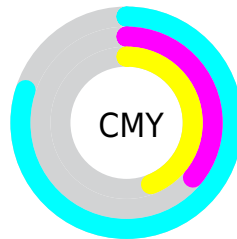
- Red (20%)
- Green (64%)
- Blue (56%)



- Red (20%)
- Yellow (44%)
- Blue (64%)



- Cyan (69%)
- Magenta (0%)
- Yellow (12%)
- Black (36%)




- Cyan (80%)
- Magenta (36%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8814, 0.2463, 0.3663 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 28.8814, 0.2463, 0.3663 by changing the saturation by 10% instead.


 28.8814, 0.2463,
0.3663


 28.8814, 0.2463,
0.3663


296.6550, 0.2820,
0.3461


 18.9911, 0.2365,
0.3719


 57.8886, 0.2599,
0.3586


 11.6639, 0.2235,
0.3794


 77.7743, 0.2648,
0.3558

 6.5152, 0.2052,
0.3900


 101.7606, 0.2689,
0.3535

 3.1608, 0.1778,
0.4062

 130.2319, 0.2723,
0.3516

 1.2163, 0.0912,
0.4542

 163.5726, 0.2752,
0.3499

 0.0749, 0.0000,
1.0000

202.1671, 0.2778,

 0.0000, 0.0000,

0.3485

0.0000

246.3997, 0.2800,
0.3472

■ 28.8814, 0.2463,
0.3663

■ 28.8814, 0.2463,
0.3663

■ 28.4441, 0.2426,
0.3726

■ 29.4716, 0.2518,
0.3601

■ 28.1401, 0.2408,
0.3790

■ 30.2253, 0.2591,
0.3540

■ 27.9388, 0.2406,
0.3852

■ 31.1560, 0.2680,
0.3482

■ 27.9152, 0.2406,
0.3860

■ 32.2749, 0.2783,
0.3427

■ 33.5923, 0.2896,
0.3375

■ 35.1176, 0.3017,
0.3328

■ 36.8598, 0.3143,
0.3285

■ 38.8273, 0.3273,
0.3246

■ 41.0278, 0.3403,
0.3211

Harmonies

Analogous

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



28.8814, 0.2970, 0.4180



28.8814, 0.2463, 0.3663



28.8814, 0.2149, 0.3064

Triad

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



28.8814, 0.2463, 0.3663



28.8814, 0.2639, 0.2390



28.8814, 0.4294, 0.3817

Complementary

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



28.8814, 0.2463, 0.3663



10.6055, 0.4962, 0.3021

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.



28.8814, 0.4210, 0.3362



28.8814, 0.2463, 0.3663



28.8814, 0.3200, 0.2583

Square

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



28.8814, 0.2463, 0.3663



28.8814, 0.2246, 0.2391



28.8814, 0.3794, 0.2927



28.8814, 0.4038, 0.4200

Rectangle

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



28.8814, 0.2463, 0.3663



28.8814, 0.2074, 0.2740



28.8814, 0.3794, 0.2927



28.8814, 0.4307, 0.3668

Sweetspot

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



28.8825, 0.2463, 0.3663



59.4962, 0.2865, 0.3389



27.7933, 0.3155, 0.5370



13.2217, 0.2835, 0.3402



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.



28.8825, 0.2463, 0.3663



50.6497, 0.2416, 0.3757



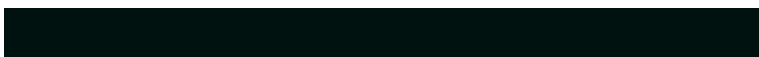
18.6617, 0.2179, 0.2602



7.9895, 0.3010, 0.3330



21.7001, 0.2404, 0.3855



0.4613, 0.2341, 0.3627

Inverse Universe

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



10.6055, 0.4962, 0.3021



15.7679, 0.5569, 0.3047



14.7519, 0.4915, 0.3803



7.1056, 0.3258, 0.3250



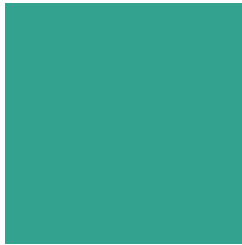
6.1258, 0.6091, 0.3129



0.1341, 0.5265, 0.2674

Previews

White Background



This preview shows how the Yxy color 28.8814, 0.2463, 0.3663 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 28.8814, 0.2463, 0.3663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

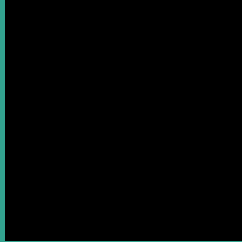
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8814, 0.2463, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 28.8814, 0.2463, 0.3663.



This preview shows how white text looks on a background with the Yxy color 28.8814, 0.2463, 0.3663.

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

28.8814, 0.2463, 0.3663

Protanopia

28.5236, 0.3311, 0.3482

Deuteranopia

28.4570, 0.3240, 0.3183



Tritanopia

28.8986, 0.2334, 0.3062

Trichromacy



Original Color

28.8814, 0.2463, 0.3663



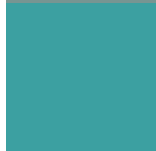
Protanomaly

27.9075, 0.2904, 0.3552



Deuteranomaly

27.4922, 0.2861, 0.3341



Tritanomaly

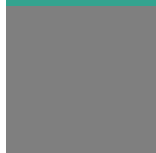
28.6755, 0.2380, 0.3270

Monochromacy



Original Color

28.8814, 0.2463, 0.3663



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.1023, 0.2778, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8814, 0.2463, 0.3663 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(51, 163, 143)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 163, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 163, 143) }
```

Border

The CSS property to change the border of an element to Yxy 28.8814, 0.2463, 0.3663 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(51, 163, 143) }
```

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

```
.border{ border-color:rgb(51, 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(51, 163, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 163, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 163, 143);  
box-shadow:4px 4px 4px 4px rgb(51, 163,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8814, 0.2463, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 163, 143) }
```

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

```
.background{ background-color: rgb(51, 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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