

Converting Colors

$Yxy(27.7225, 0.2461, 0.3458)$

Have a look what the booklet for
Yxy(27.7225, 0.2461, 0.3458)
contains.

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Color

$\text{Yxy}(27.6804, 0.2459, 0.3455)$

Conversions

Conversions Part 1

Format	Color
Hex	3F9E95
RGB	63, 158, 149
RGB Percent	25%, 62%, 58%
CMY	0.7530, 0.3804, 0.4157
CMYK	0.60, 0.00, 0.06, 0.38
HSL	174°, 43%, 43%
HSV	174°, 60%, 62%
XYZ	19.7008, 27.6804, 32.7358
YIQ	128.5690, -53.7310, -22.9390

Conversions

Conversions Part 2

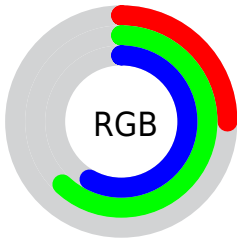
Format	Color
R _{YB}	63, 113, 158
Decimal	4169365
CIE _{Lab}	59.60, -29.95, -3.64
CIE _{LCh}	60, 30.173, 186.930
Y _{xy}	27.6804, 0.2459, 0.3455
Android (android.graphics.Color)	4282359445 (0xFF3F9E95)
Y _{UV}	128.5690, 10.0725, -57.5040
Hunter-Lab	52.6122, -25.2315, -0.0623

Details

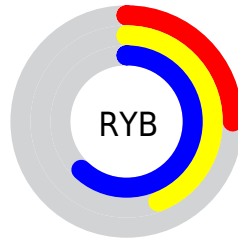
The Yxy color **27.6804, 0.2459, 0.3455** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2919, 0.4768, 0.3158**, and the grayscale version is **21.7727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9652, 0.2597, 0.3423**, and **11.1899, 0.2309, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **27.1863, 0.2400, 0.3487**, and if you desaturate by 10%, it is **28.3265, 0.2536, 0.3424**.

Distribution



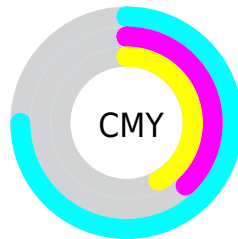
- Red (25%)
- Green (62%)
- Blue (58%)



- Red (25%)
- Yellow (44%)
- Blue (62%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)





- Cyan (75%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6804, 0.2459, 0.3455 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 27.6804, 0.2459, 0.3455 by changing the saturation by 10% instead.


 27.6804, 0.2459,
0.3455


 27.6804, 0.2459,
0.3455


290.9366, 0.2817,
0.3371


 18.0849, 0.2361,
0.3476


 55.9738, 0.2595,
0.3424


 11.0109, 0.2231,
0.3503


 75.4404, 0.2644,
0.3413

 6.0742, 0.2048,
0.3539

 98.9662, 0.2685,
0.3403

 2.8903, 0.1776,
0.3585

 126.9356, 0.2720,
0.3394

 1.0747, 0.0983,
0.3787

 159.7329, 0.2749,
0.3387

 0.0000, 0.0000,
0.0000

197.7426, 0.2775,

0.3381

241.3490, 0.2797,
0.3376

■ 27.6804, 0.2459,
0.3455

■ 27.6804, 0.2459,
0.3455

■ 27.1863, 0.2400,
0.3487

■ 28.3265, 0.2536,
0.3424

■ 26.8278, 0.2360,
0.3519

■ 29.1331, 0.2629,
0.3394

■ 26.5907, 0.2338,
0.3550

■ 30.1117, 0.2738,
0.3365

■ 26.4389, 0.2328,
0.3582

■ 31.2718, 0.2858,
0.3338

■ 32.6224, 0.2988,
0.3313

■ 34.1718, 0.3125,
0.3290

■ 35.9276, 0.3266,
0.3270

■ 37.8975, 0.3409,
0.3251

■ 40.0882, 0.3552,
0.3235

Harmonies

Analogous

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



27.6804, 0.2858, 0.3927



27.6804, 0.2459, 0.3455



27.6804, 0.2243, 0.2973

Triad

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



27.6804, 0.2459, 0.3455



27.6804, 0.2845, 0.2544



27.6804, 0.4086, 0.3863

Complementary

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



27.6804, 0.2459, 0.3455



11.2919, 0.4768, 0.3158

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.



27.6804, 0.4100, 0.3482



27.6804, 0.2459, 0.3455



27.6804, 0.3348, 0.2757

Square

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



27.6804, 0.2459, 0.3455



27.6804, 0.2452, 0.2495



27.6804, 0.3822, 0.3089



27.6804, 0.3803, 0.4138

Rectangle

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



27.6804, 0.2459, 0.3455



27.6804, 0.2219, 0.2727



27.6804, 0.3822, 0.3089



27.6804, 0.4124, 0.3742

Sweetspot

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



27.6815, 0.2459, 0.3455



57.1970, 0.2881, 0.3334



26.2108, 0.3106, 0.5142



12.7521, 0.2846, 0.3341



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.



27.6815, 0.2459, 0.3455



49.1282, 0.2385, 0.3497



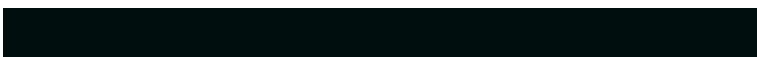
16.9584, 0.2239, 0.2541



7.4986, 0.3000, 0.3311



21.1768, 0.2328, 0.3579



0.3815, 0.2292, 0.3452

Inverse Universe

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



11.2919, 0.4768, 0.3158



16.6771, 0.5355, 0.3158



16.9354, 0.4515, 0.3891



6.6559, 0.3270, 0.3269



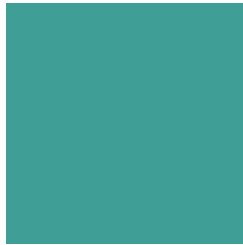
5.8523, 0.6264, 0.3224



0.1073, 0.5696, 0.2912

Previews

White Background



This preview shows how the Yxy color 27.6804, 0.2459, 0.3455 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 27.6804, 0.2459, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

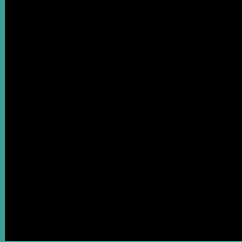
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6804, 0.2459, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 27.6804, 0.2459, 0.3455.

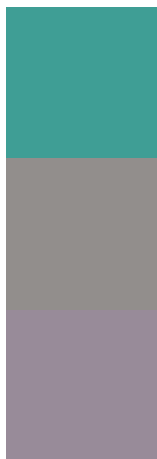


This preview shows how white text looks on a background with the Yxy color 27.6804, 0.2459, 0.3455.

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

27.6804, 0.2459, 0.3455

Protanopia

27.3504, 0.3190, 0.3323

Deuteranopia

27.4405, 0.3127, 0.3072



Tritanopia

27.6094, 0.2370, 0.3059

Trichromacy



Original Color

27.6804, 0.2459, 0.3455

Protanomaly

26.8760, 0.2858, 0.3376

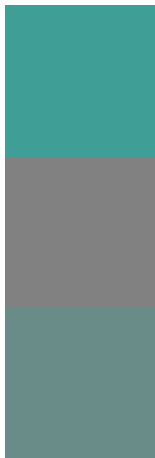
Deuteranomaly

26.8178, 0.2816, 0.3187

Tritanomaly

27.5791, 0.2401, 0.3198

Monochromacy



Original Color

27.6804, 0.2459, 0.3455

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5370, 0.2807, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6804, 0.2459, 0.3455 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(63, 158, 149)` looks like.

```
.text, #text, p{  
    color:rgb(63, 158, 149)  
}
```

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(63, 158, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 158, 149) }
```

Border

The CSS property to change the border of an element to Yxy 27.6804, 0.2459, 0.3455 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(63, 158, 149) }
```

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

```
.border{ border-color:rgb(63, 158, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 158, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 158, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 158, 149);  
box-shadow:4px 4px 4px 4px rgb(63, 158,  
149) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 27.6804, 0.2459, 0.3455$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 158, 149) }
```

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

```
.background{ background-color: rgb(63, 158,  
149) }
```

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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