

Converting Colors

$Y_{xy}(27.7378, 0.2507, 0.3450)$

Have a look what the booklet for
Yxy(27.7378, 0.2507, 0.3450)
contains.

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Color

$\text{Yxy}(27.6298, 0.2509, 0.3454)$

Conversions

Conversions Part 1

Format	Color
Hex	489D94
RGB	72, 157, 148
RGB Percent	28%, 62%, 58%
CMY	0.7180, 0.3843, 0.4196
CMYK	0.54, 0.00, 0.06, 0.38
HSL	174°, 37%, 45%
HSV	174°, 54%, 62%
XYZ	20.0704, 27.6298, 32.2934
YIQ	130.5590, -47.7710, -20.8190

Conversions

Conversions Part 2

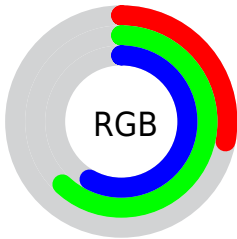
Format	Color
R_{YB}	72, 117, 157
Decimal	4758932
CIE _{Lab}	59.55, -27.91, -3.11
CIE _{LCh}	60, 28.088, 186.365
Yxy	27.6298, 0.2509, 0.3454
Android (android.graphics.Color)	4282949012 (0xFF489D94)
YUV	130.5590, 8.5984, -51.3562
Hunter-Lab	52.5641, -23.8309, 0.3692

Details

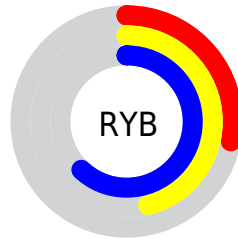
The Yxy color **27.6298, 0.2509, 0.3454** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.3869, 0.4502, 0.3150**, and the grayscale version is **22.5069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9404, 0.2637, 0.3422**, and **10.9662, 0.2309, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **27.0510, 0.2440, 0.3489**, and if you desaturate by 10%, it is **28.3655, 0.2595, 0.3420**.

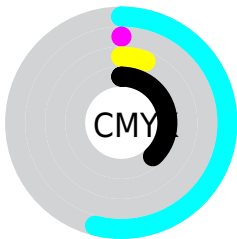
Distribution



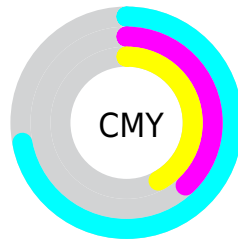
- Red (28%)
- Green (62%)
- Blue (58%)



- Red (28%)
- Yellow (46%)
- Blue (62%)



- Cyan (54%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)




- Cyan (72%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6298, 0.2509, 0.3454 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 27.6298, 0.2509, 0.3454 by changing the saturation by 10% instead.


 27.6298, 0.2509,
0.3454


 27.6298, 0.2509,
0.3454


290.6937, 0.2841,
0.3369

 18.0468, 0.2418,
0.3476


 55.8929, 0.2635,
0.3423


 10.9836, 0.2296,
0.3504


 75.3417, 0.2681,
0.3411


 6.0558, 0.2125,
0.3542

 98.8479, 0.2719,
0.3401

 2.8790, 0.1868,
0.3593

 126.7959, 0.2751,
0.3393

 1.0689, 0.1147,
0.3789

 159.5701, 0.2778,
0.3386

 0.0000, 0.0000,
0.0000

197.5549, 0.2802,

0.3379

241.1346, 0.2823,
0.3374

■ 27.6298, 0.2509,
0.3454

■ 27.6298, 0.2509,
0.3454

■ 27.0510, 0.2440,
0.3489

■ 28.3655, 0.2595,
0.3420

■ 26.6140, 0.2389,
0.3525

■ 29.2657, 0.2697,
0.3387

■ 26.3060, 0.2357,
0.3561

■ 30.3412, 0.2812,
0.3356

■ 26.1105, 0.2343,
0.3597

■ 31.6010, 0.2937,
0.3327

■ 26.0229, 0.2338,
0.3617

■ 33.0535, 0.3070,
0.3300

■ 34.7066, 0.3208,
0.3276

■ 36.5677, 0.3349,
0.3255

■ 38.6439, 0.3490,
0.3235

■ 40.9418, 0.3630,
0.3218

Harmonies

Analogous

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



27.6298, 0.2886, 0.3887



27.6298, 0.2509, 0.3454



27.6298, 0.2301, 0.3005

Triad

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



27.6298, 0.2509, 0.3454



27.6298, 0.2857, 0.2588



27.6298, 0.4025, 0.3824

Complementary

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



27.6298, 0.2509, 0.3454



12.3869, 0.4502, 0.3150

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.



27.6298, 0.4030, 0.3466



27.6298, 0.2509, 0.3454



27.6298, 0.3326, 0.2785

Square

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



27.6298, 0.2509, 0.3454



27.6298, 0.2490, 0.2546



27.6298, 0.3767, 0.3097



27.6298, 0.3767, 0.4079

Rectangle

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



27.6298, 0.2509, 0.3454



27.6298, 0.2275, 0.2772



27.6298, 0.3767, 0.3097



27.6298, 0.4057, 0.3711

Sweetspot

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



27.6309, 0.2509, 0.3454



56.0798, 0.2910, 0.3333



26.3718, 0.3126, 0.4939



12.2436, 0.2886, 0.3338



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.



27.6309, 0.2509, 0.3454



48.2566, 0.2428, 0.3497



18.3236, 0.2323, 0.2658



7.4974, 0.3002, 0.3314



21.1351, 0.2337, 0.3614



0.3810, 0.2298, 0.3471

Inverse Universe

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



12.3869, 0.4502, 0.3150



18.0577, 0.5011, 0.3138



17.6457, 0.4347, 0.3820



6.6570, 0.3268, 0.3267



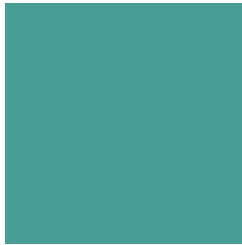
5.8566, 0.6245, 0.3214



0.1076, 0.5627, 0.2873

Previews

White Background



This preview shows how the Yxy color 27.6298, 0.2509, 0.3454 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 27.6298, 0.2509, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

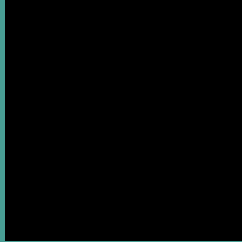
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6298, 0.2509, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 27.6298, 0.2509, 0.3454.

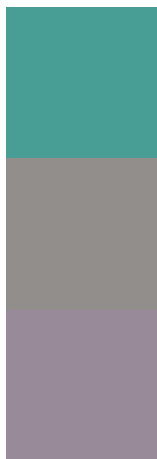


This preview shows how white text looks on a background with the Yxy color 27.6298, 0.2509, 0.3454.

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

27.6298, 0.2509, 0.3454

Protanopia

27.3211, 0.3200, 0.3339

Deuteranopia

27.1194, 0.3137, 0.3071



Tritanopia

27.5635, 0.2416, 0.3061

Trichromacy



Original Color

27.6298, 0.2509, 0.3454

Protanomaly

26.7424, 0.2894, 0.3376

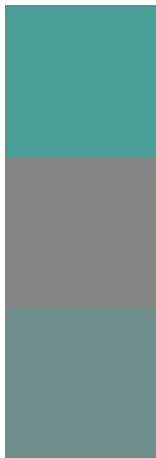
Deuteranomaly

26.6961, 0.2851, 0.3188

Tritanomaly

27.5173, 0.2447, 0.3199

Monochromacy



Original Color

27.6298, 0.2509, 0.3454

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.8773, 0.2846, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6298, 0.2509, 0.3454 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(72, 157, 148)` looks like.

```
.text, #text, p{  
    color:rgb(72, 157, 148)  
}
```

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(72, 157, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 157, 148) }
```

Border

The CSS property to change the border of an element to Yxy 27.6298, 0.2509, 0.3454 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(72, 157, 148) }
```

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

```
.border{ border-color:rgb(72, 157, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 157, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 157, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 157, 148);  
box-shadow:4px 4px 4px 4px rgb(72, 157,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6298, 0.2509, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 157, 148) }
```

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

```
.background{ background-color: rgb(72, 157,  
148) }
```

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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