

Converting Colors

$Y_{xy}(27.7003, 0.2508, 0.3435)$

Have a look what the booklet for
Yxy(27.7003, 0.2508, 0.3435)
contains.

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Color

$Y_{xy}(27.7003, 0.2508, 0.3435)$

Conversions

Conversions Part 1

Format	Color
Hex	499D95
RGB	73, 157, 149
RGB Percent	29%, 62%, 58%
CMY	0.7140, 0.3843, 0.4157
CMYK	0.54, 0.00, 0.05, 0.38
HSL	174°, 37%, 45%
HSV	174°, 54%, 62%
XYZ	20.2248, 27.7003, 32.7162
YIQ	130.9720, -47.4960, -20.2960

Conversions

Conversions Part 2

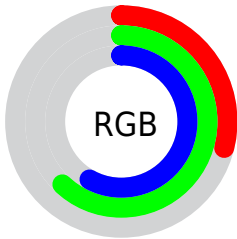
Format	Color
RYB	73, 117, 157
Decimal	4824469
CIELab	59.62, -27.43, -3.58
CIELCh	60, 27.663, 187.441
Yxy	27.7003, 0.2508, 0.3435
Android (android.graphics.Color)	4283014549 (0xFF499D95)
YUV	130.9720, 8.8878, -50.8414
Hunter-Lab	52.6311, -23.5112, -0.0137

Details

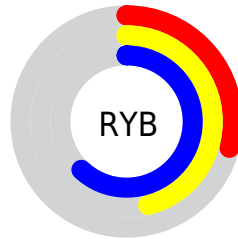
The Yxy color **27.7003, 0.2508, 0.3435** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5165, 0.4494, 0.3166**, and the grayscale version is **22.6602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0659, 0.2637, 0.3409**, and **10.9850, 0.2301, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **27.1169, 0.2437, 0.3466**, and if you desaturate by 10%, it is **28.4412, 0.2596, 0.3404**.

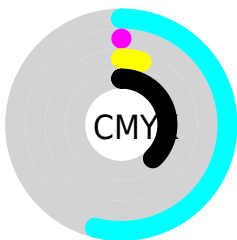
Distribution



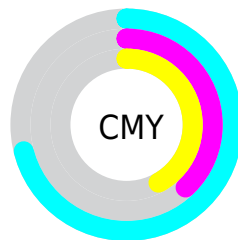
- Red (29%)
- Green (62%)
- Blue (58%)



- Red (29%)
- Yellow (46%)
- Blue (62%)



- Cyan (54%)
- Magenta (0%)
- Yellow (5%)
- Black (38%)



- Cyan (71%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7003, 0.2508, 0.3435 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 27.7003, 0.2508, 0.3435 by changing the saturation by 10% instead.

■ 27.7003, 0.2508,
0.3435

■ 27.7003, 0.2508,
0.3435

■ 291.0321, 0.2840,
0.3361

■ 18.0999, 0.2417,
0.3454

■ 56.0056, 0.2634,
0.3408

■ 11.0217, 0.2296,
0.3478

■ 75.4793, 0.2680,
0.3398

■ 6.0814, 0.2125,
0.3509

■ 99.0128, 0.2718,
0.3389

■ 2.8947, 0.1869,
0.3549

■ 126.9905, 0.2750,
0.3382

■ 1.0770, 0.1180,
0.3712

■ 159.7970, 0.2778,
0.3376

■ 0.0000, 0.0000,
0.0000

197.8164, 0.2801,

0.3370

241.4333, 0.2822,
0.3365

■ 27.7003, 0.2508,
0.3435

■ 27.7003, 0.2508,
0.3435

■ 27.1169, 0.2437,
0.3466

■ 28.4412, 0.2596,
0.3404

■ 26.6759, 0.2385,
0.3498

■ 29.3471, 0.2699,
0.3375

■ 26.3648, 0.2351,
0.3530

■ 30.4288, 0.2816,
0.3347

■ 26.1672, 0.2334,
0.3562

■ 31.6951, 0.2943,
0.3322

■ 26.0729, 0.2329,
0.3583

■ 33.1545, 0.3078,
0.3298

■ 34.8149, 0.3218,
0.3276

■ 36.6835, 0.3360,
0.3257

■ 38.7675, 0.3503,
0.3240

■ 41.0736, 0.3644,
0.3225

Harmonies

Analogous

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



27.7003, 0.2875, 0.3864



27.7003, 0.2508, 0.3435



27.7003, 0.2310, 0.2996

Triad

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



27.7003, 0.2508, 0.3435



27.7003, 0.2877, 0.2603



27.7003, 0.4005, 0.3828

Complementary

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



27.7003, 0.2508, 0.3435



12.5165, 0.4494, 0.3166

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.



27.7003, 0.4020, 0.3478



27.7003, 0.2508, 0.3435



27.7003, 0.3340, 0.2802

Square

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



27.7003, 0.2508, 0.3435



27.7003, 0.2510, 0.2556



27.7003, 0.3770, 0.3113



27.7003, 0.3745, 0.4072

Rectangle

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



27.7003, 0.2508, 0.3435



27.7003, 0.2288, 0.2770



27.7003, 0.3770, 0.3113



27.7003, 0.4040, 0.3718

Sweetspot

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



27.7014, 0.2508, 0.3435



56.0961, 0.2907, 0.3329



26.3618, 0.3115, 0.4924



12.2476, 0.2883, 0.3333



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.



27.7014, 0.2508, 0.3435



48.4061, 0.2427, 0.3472



18.1069, 0.2325, 0.2639



7.4986, 0.3000, 0.3311



21.1753, 0.2328, 0.3580



0.3815, 0.2292, 0.3452

Inverse Universe

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



12.5165, 0.4494, 0.3166



18.3303, 0.4989, 0.3155



18.0722, 0.4314, 0.3837



6.6559, 0.3270, 0.3269



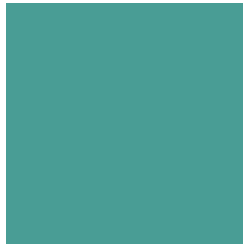
5.8524, 0.6263, 0.3224



0.1073, 0.5694, 0.2910

Previews

White Background



This preview shows how the Yxy color 27.7003, 0.2508, 0.3435 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 27.7003, 0.2508, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

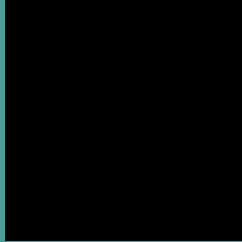
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7003, 0.2508, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 27.7003, 0.2508, 0.3435.



This preview shows how white text looks on a background with the Yxy color 27.7003, 0.2508, 0.3435.

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

27.7003, 0.2508, 0.3435

Protanopia

27.3504, 0.3190, 0.3323

Deuteranopia

27.4405, 0.3127, 0.3072



Tritanopia

27.5635, 0.2416, 0.3061

Trichromacy



Original Color

27.7003, 0.2508, 0.3435

Protanomaly

26.7725, 0.2885, 0.3359

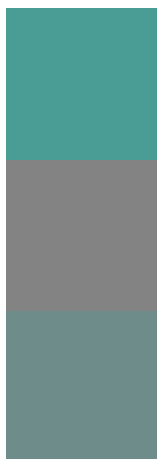
Deuteranomaly

27.0357, 0.2844, 0.3188

Tritanomaly

27.5585, 0.2452, 0.3199

Monochromacy



Original Color

27.7003, 0.2508, 0.3435

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9061, 0.2837, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7003, 0.2508, 0.3435 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(73, 157, 149)` looks like.

```
.text, #text, p{  
  color:rgb(73, 157, 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(73, 157, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 157, 149) }
```

Border

The CSS property to change the border of an element to Yxy 27.7003, 0.2508, 0.3435 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(73, 157, 149) }
```

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

```
.border{ border-color:rgb(73, 157, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 157, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 157, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 157, 149);  
box-shadow:4px 4px 4px 4px rgb(73, 157,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7003, 0.2508, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 157, 149) }
```

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

```
.background{ background-color: rgb(73, 157,  
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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