

Converting Colors

$Yxy(27.5995, 0.2511, 0.3464)$

Have a look what the booklet for
Yxy(27.5995, 0.2511, 0.3464)
contains.

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Color

$\text{Yxy}(27.5982, 0.2516, 0.3473)$

Conversions

Conversions Part 1

Format	Color
Hex	489D93
RGB	72, 157, 147
RGB Percent	28%, 62%, 58%
CMY	0.7178, 0.3843, 0.4236
CMYK	0.54, 0.00, 0.06, 0.38
HSL	173°, 37%, 45%
HSV	173°, 54%, 62%
XYZ	19.9934, 27.5982, 31.8734
YIQ	130.4450, -47.4500, -21.1300

Conversions

Conversions Part 2

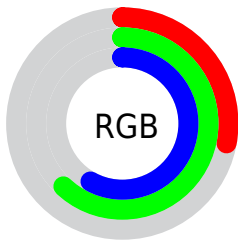
Format	Color
RYB	72, 117, 157
Decimal	4758931
CIELab	59.52, -28.17, -2.58
CIELCh	60, 28.290, 185.238
Yxy	27.5982, 0.2516, 0.3473
Android (android.graphics.Color)	4282949011 (0xFF489D93)
YUV	130.4450, 8.1616, -51.2563
Hunter-Lab	52.5340, -24.0009, 0.8014

Details

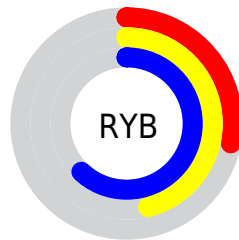
The Yxy color **27.5982, 0.2516, 0.3473** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.4084, 0.4482, 0.3134**, and the grayscale version is **22.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8932, 0.2643, 0.3436**, and **10.9662, 0.2309, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **27.0137, 0.2448, 0.3512**, and if you desaturate by 10%, it is **28.3399, 0.2601, 0.3435**.

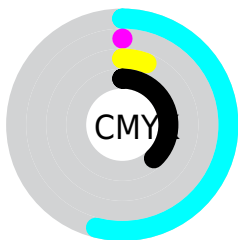
Distribution



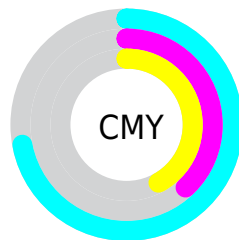
- Red (28%)
- Green (62%)
- Blue (58%)



- 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 27.5982, 0.2516, 0.3473 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 27.5982, 0.2516, 0.3473 by changing the saturation by 10% instead.

■ 27.5982, 0.2516,
0.3473

■ 27.5982, 0.2516,
0.3473

■ 290.5420, 0.2845,
0.3377

■ 18.0230, 0.2426,
0.3498

■ 55.8423, 0.2641,
0.3437

■ 10.9665, 0.2305,
0.3531

■ 75.2800, 0.2686,
0.3424

■ 6.0443, 0.2135,
0.3575

■ 98.7740, 0.2724,
0.3413

■ 2.8720, 0.1879,
0.3638

■ 126.7086, 0.2756,
0.3404

■ 1.0653, 0.1141,
0.3865

■ 159.4684, 0.2783,
0.3396

■ 0.0000, 0.0000,
0.0000

197.4376, 0.2806,

0.3389

241.0006, 0.2827,
0.3383

■ 27.5982, 0.2516,
0.3473

■ 27.5982, 0.2516,
0.3473

■ 27.0137, 0.2448,
0.3512

■ 28.3399, 0.2601,
0.3435

■ 26.5711, 0.2398,
0.3553

■ 29.2462, 0.2702,
0.3398

■ 26.2578, 0.2367,
0.3593

■ 30.3281, 0.2816,
0.3363

■ 26.0571, 0.2353,
0.3633

■ 31.5944, 0.2939,
0.3331

■ 25.9664, 0.2349,
0.3656

■ 33.0537, 0.3071,
0.3302

■ 34.7137, 0.3207,
0.3275

■ 36.5819, 0.3346,
0.3250

■ 38.6654, 0.3485,
0.3229

■ 40.9708, 0.3623,
0.3210

Harmonies

Analogous

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



27.5982, 0.2901, 0.3905



27.5982, 0.2516, 0.3473



27.5982, 0.2300, 0.3018

Triad

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



27.5982, 0.2516, 0.3473



27.5982, 0.2838, 0.2579



27.5982, 0.4037, 0.3815

Complementary

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



27.5982, 0.2516, 0.3473



12.4084, 0.4482, 0.3134

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.



27.5982, 0.4031, 0.3453



27.5982, 0.2516, 0.3473



27.5982, 0.3309, 0.2772

Square

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



27.5982, 0.2516, 0.3473



27.5982, 0.2475, 0.2543



27.5982, 0.3758, 0.3082



27.5982, 0.3785, 0.4078

Rectangle

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



27.5982, 0.2516, 0.3473



27.5982, 0.2268, 0.2779



27.5982, 0.3758, 0.3082



27.5982, 0.4066, 0.3700

Sweetspot

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



27.5993, 0.2516, 0.3473



56.0616, 0.2912, 0.3338



26.4369, 0.3138, 0.4932



12.2391, 0.2888, 0.3344



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.



27.5993, 0.2516, 0.3473



48.1879, 0.2436, 0.3521



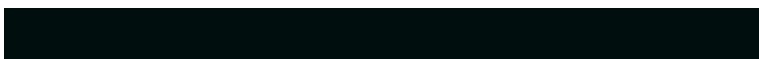
18.6884, 0.2329, 0.2687



7.4960, 0.3003, 0.3316



21.0908, 0.2348, 0.3653



0.3805, 0.2304, 0.3493

Inverse Universe

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



12.4084, 0.4482, 0.3134



18.0833, 0.4985, 0.3119



17.3665, 0.4360, 0.3797



6.6582, 0.3266, 0.3264



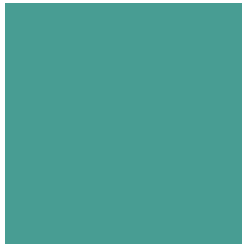
5.8617, 0.6223, 0.3202



0.1080, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 27.5982, 0.2516, 0.3473 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 27.5982, 0.2516, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

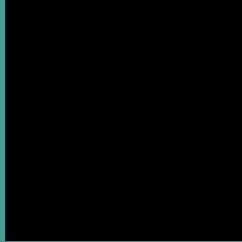
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5982, 0.2516, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 27.5982, 0.2516, 0.3473.

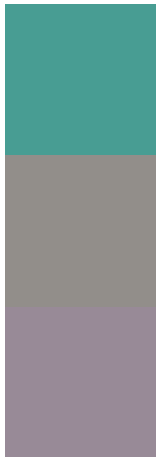


This preview shows how white text looks on a background with the Yxy color 27.5982, 0.2516, 0.3473.

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

27.5982, 0.2516, 0.3473

Protanopia

27.2920, 0.3210, 0.3355

Deuteranopia

27.0867, 0.3148, 0.3086



Tritanopia

27.5635, 0.2416, 0.3061

Trichromacy



Original Color

27.5982, 0.2516, 0.3473

Protanomaly

26.7125, 0.2903, 0.3394

Deuteranomaly

26.6638, 0.2860, 0.3204

Tritanomaly

27.5173, 0.2447, 0.3199

Monochromacy



Original Color

27.5982, 0.2516, 0.3473

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.7850, 0.2846, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5982, 0.2516, 0.3473 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(72, 157, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 157, 147) }
```

Border

The CSS property to change the border of an element to Yxy 27.5982, 0.2516, 0.3473 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, 147) }
```

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

```
.border{ border-color:rgb(72, 157, 147) }
```

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, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 157, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 157, 147);  
box-shadow:4px 4px 4px 4px rgb(72, 157,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5982, 0.2516, 0.3473 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, 147) }
```

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

```
.background{ background-color: rgb(72, 157,  
147) }
```

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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