

Converting Colors

$Y_{xy}(27.0781, 0.2539, 0.3426)$

Have a look what the booklet for
Yxy(27.0781, 0.2539, 0.3426)
contains.

Yxy(27.1271, 0.2539, 0.3436)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(27.1271, 0.2539, 0.3436)$

Conversions

Conversions Part 1

Format	Color
Hex	4D9B93
RGB	77, 155, 147
RGB Percent	30%, 61%, 58%
CMY	0.6982, 0.3921, 0.4236
CMYK	0.50, 0.00, 0.05, 0.39
HSL	174°, 34%, 45%
HSV	174°, 50%, 61%
XYZ	20.0453, 27.1271, 31.7772
YIQ	130.7660, -43.9200, -19.0240

Conversions

Conversions Part 2

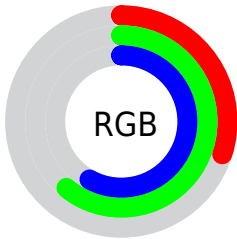
Format	Color
R_{YB}	77, 118, 155
Decimal	5086099
CIE _{Lab}	59.09, -26.05, -3.19
CIE _{LCh}	59, 26.247, 186.990
Yxy	27.1271, 0.2539, 0.3436
Android (android.graphics.Color)	4283276179 (0xFF4D9B93)
YUV	130.7660, 8.0034, -47.1528
Hunter-Lab	52.0837, -22.4476, 0.2846

Details

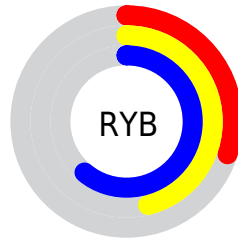
The Yxy color $27.1271, 0.2539, 0.3436$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $12.9283, 0.4356, 0.3162$, and the grayscale version is $22.5892, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2158, 0.2661, 0.3409$, and $10.6491, 0.2328, 0.3456$ is the 20% darker color. If you saturate the color by 10%, you get $26.5090, 0.2463, 0.3470$, and if you desaturate by 10%, it is $27.9016, 0.2632, 0.3403$.

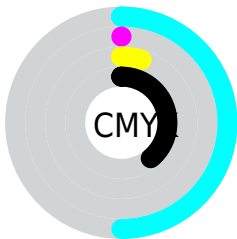
Distribution



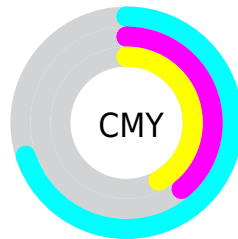
- Red (30%)
- Green (61%)
- Blue (58%)



- Red (30%)
- Yellow (46%)
- Blue (61%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (39%)





- Cyan (70%)
- Magenta (39%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1271, 0.2539, 0.3436 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 27.1271, 0.2539, 0.3436 by changing the saturation by 10% instead.


 27.1271, 0.2539,
0.3436


 27.1271, 0.2539,
0.3436


288.2720, 0.2856,
0.3360


 17.6687, 0.2452,
0.3455


 55.0878, 0.2660,
0.3408


 10.7124, 0.2334,
0.3481


 74.3588, 0.2704,
0.3398

 5.8738, 0.2169,
0.3514

 97.6695, 0.2740,
0.3389

 2.7685, 0.1919,
0.3559

 125.4043, 0.2770,
0.3382

 1.0121, 0.1189,
0.3752

 157.9475, 0.2796,
0.3375

 0.0000, 0.0000,
0.0000

195.6836, 0.2819,

0.3370

238.9970, 0.2839,
0.3365

■ 27.1271, 0.2539,
0.3436

■ 27.1271, 0.2539,
0.3436

■ 26.5090, 0.2463,
0.3470

■ 27.9016, 0.2632,
0.3403

■ 26.0331, 0.2405,
0.3504

■ 28.8394, 0.2739,
0.3372

■ 25.6878, 0.2366,
0.3539

■ 29.9506, 0.2858,
0.3343

■ 25.4584, 0.2344,
0.3574

■ 31.2439, 0.2987,
0.3316

■ 25.3118, 0.2335,
0.3607

■ 32.7270, 0.3122,
0.3291

■ 34.4074, 0.3262,
0.3268

■ 36.2923, 0.3404,
0.3248

■ 38.3883, 0.3545,
0.3230

■ 40.7018, 0.3684,
0.3215

Harmonies

Analogous

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



27.1271, 0.2893, 0.3842



27.1271, 0.2539, 0.3436



27.1271, 0.2345, 0.3016

Triad

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



27.1271, 0.2539, 0.3436



27.1271, 0.2882, 0.2628



27.1271, 0.3969, 0.3803

Complementary

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



27.1271, 0.2539, 0.3436



12.9283, 0.4356, 0.3162

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.



27.1271, 0.3978, 0.3467



27.1271, 0.2539, 0.3436



27.1271, 0.3324, 0.2818

Square

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



27.1271, 0.2539, 0.3436



27.1271, 0.2532, 0.2587



27.1271, 0.3736, 0.3116



27.1271, 0.3724, 0.4036

Rectangle

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



27.1271, 0.2539, 0.3436



27.1271, 0.2322, 0.2798



27.1271, 0.3736, 0.3116



27.1271, 0.4001, 0.3697

Sweetspot

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



27.1282, 0.2539, 0.3436



54.7606, 0.2922, 0.3329



25.9628, 0.3130, 0.4808



12.2933, 0.2897, 0.3334



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.



27.1282, 0.2539, 0.3436



47.3895, 0.2458, 0.3473



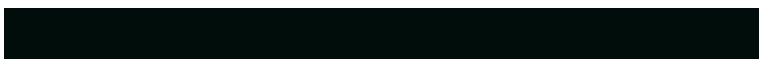
18.6340, 0.2375, 0.2712



7.0156, 0.3002, 0.3313



20.3314, 0.2335, 0.3604



0.3067, 0.2292, 0.3450

Inverse Universe

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



12.9283, 0.4356, 0.3162



19.0930, 0.4794, 0.3146



17.9958, 0.4230, 0.3786



6.2325, 0.3268, 0.3267



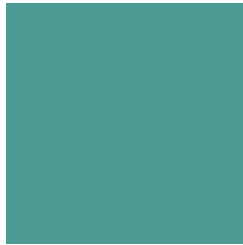
5.6300, 0.6248, 0.3215



0.0866, 0.5623, 0.2871

Previews

White Background



This preview shows how the Yxy color 27.1271, 0.2539, 0.3436 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 27.1271, 0.2539, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

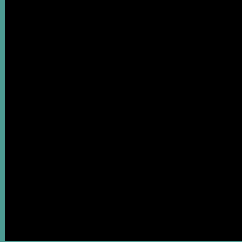
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1271, 0.2539, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 27.1271, 0.2539, 0.3436.



This preview shows how white text looks on a background with the Yxy color 27.1271, 0.2539, 0.3436.

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

27.1271, 0.2539, 0.3436

Protanopia

26.8431, 0.3180, 0.3323

Deuteranopia

26.7050, 0.3137, 0.3070



Tritanopia

27.0121, 0.2445, 0.3060

Trichromacy



Original Color

27.1271, 0.2539, 0.3436

Protanomaly

26.5038, 0.2903, 0.3359

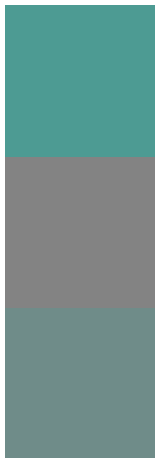
Deuteranomaly

26.4336, 0.2869, 0.3188

Tritanomaly

27.0004, 0.2483, 0.3199

Monochromacy



Original Color

27.1271, 0.2539, 0.3436

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9418, 0.2856, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1271, 0.2539, 0.3436 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(77, 155, 147)` looks like.

```
.text, #text, p{  
  color:rgb(77, 155, 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(77, 155, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 155, 147) }
```

Border

The CSS property to change the border of an element to Yxy 27.1271, 0.2539, 0.3436 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(77, 155, 147) }
```

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

```
.border{ border-color:rgb(77, 155, 147) }
```

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

Here you see how a box with a 4 pixel rgb(77, 155, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 155, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 155, 147);  
box-shadow:4px 4px 4px 4px rgb(77, 155,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1271, 0.2539, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 155, 147) }
```

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

```
.background{ background-color: rgb(77, 155,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor