

Converting Colors

$Y_{xy}(27.0339, 0.2553, 0.3952)$

Have a look what the booklet for
Yxy(27.0339, 0.2553, 0.3952)
contains.

| | |
|--|----|
| Yxy(26.9556, 0.2548, 0.3940) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

$Y_{xy}(26.9556, 0.2548, 0.3940)$

Conversions

| Conversions Part 1 | |
|--------------------|------------------------------|
| Format | Color |
| Hex | 319F7E |
| RGB | 49, 159, 126 |
| RGB Percent | 19%, 62%, 49% |
| CMY | 0.8077, 0.3765, 0.5058 |
| CMYK | 0.69, 0.00, 0.21, 0.38 |
| HSL | 162°, 53%, 41% |
| HSV | 162°, 69%, 62% |
| XYZ | 17.4322, 26.9556, 24.0274 |
| YIQ | 122.3480, -54.9670, -33.5830 |

Conversions

Conversions Part 2

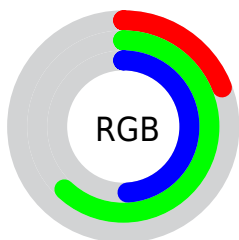
| Format | Color |
|-------------------------------------|--|
| RYB | 49, 114, 159 |
| Decimal | 3252094 |
| CIELab | 58.93, -38.91, 8.34 |
| CIELCh | 59, 39.791, 167.907 |
| Yxy | 26.9556, 0.2548, 0.3940 |
| Android (android.graphics.Color) | 4281442174 (0xFF319F7E) |
| YUV | 122.3480, 1.8004, -64.3262 |
| Hunter-Lab | 51.9188, -30.9249, 8.9044 |

Details

The Yxy color **26.9556, 0.2548, 0.3940** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1792, 0.4680, 0.2815**, and the grayscale version is **19.5925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5990, 0.2668, 0.3785**, and **11.0512, 0.2494, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **26.5082, 0.2522, 0.4052**, and if you desaturate by 10%, it is **27.5505, 0.2593, 0.3830**.

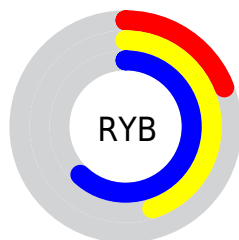
Distribution



Red (19%)

Green (62%)

Blue (49%)



Red (19%)

Yellow (45%)

Blue (62%)

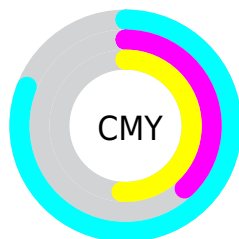


Cyan (69%)

Magenta (0%)

Yellow (21%)

Black (38%)



Cyan (81%)

Magenta (38%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9556, 0.2548, 0.3940 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 26.9556, 0.2548, 0.3940 by changing the saturation by 10% instead.


 26.9556, 0.2548,
0.3940


 26.9556, 0.2548,
0.3940


287.4421, 0.2869,
0.3573


 17.5399, 0.2456,
0.4049


 54.8126, 0.2673,
0.3795


 10.6202, 0.2330,
0.4201


 74.0227, 0.2717,
0.3744

 5.8120, 0.2147,
0.4427


 97.2663, 0.2753,
0.3703

 2.7311, 0.1860,
0.4798

 124.9280, 0.2784,
0.3668

 0.9930, 0.0000,
0.6678


 157.3920, 0.2810,
0.3639

 0.0000, 0.0000,
0.0000


195.0427, 0.2832,


0.3614


238.2646, 0.2852,
0.3592


 26.9556, 0.2548,
0.3940


 26.9556, 0.2548,
0.3940

 26.5082, 0.2522,
0.4052


 27.5505, 0.2593,
0.3830

 26.1896, 0.2514,
0.4164


 28.3029, 0.2656,
0.3723


 25.9682, 0.2523,
0.4275

 29.2257, 0.2733,
0.3622

 25.9508, 0.2524,
0.4285


 30.3295, 0.2823,
0.3526

 31.6240, 0.2922,
0.3438

 33.1182, 0.3027,
0.3357

 34.8207, 0.3136,
0.3284

 36.7393, 0.3248,
0.3219

 38.8816, 0.3359,
0.3160

Harmonies

Analogous

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



26.9556, 0.3159, 0.4431



26.9556, 0.2548, 0.3940



26.9556, 0.2121, 0.3244

Triad

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



26.9556, 0.2548, 0.3940



26.9556, 0.2406, 0.2264



26.9556, 0.4457, 0.3696

Complementary

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



26.9556, 0.2548, 0.3940



10.1792, 0.4680, 0.2815

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.



26.9556, 0.4230, 0.3192



26.9556, 0.2548, 0.3940



26.9556, 0.2979, 0.2411

Square

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



26.9556, 0.2548, 0.3940



26.9556, 0.2054, 0.2338



26.9556, 0.3663, 0.2739



26.9556, 0.4279, 0.4171

Rectangle

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



26.9556, 0.2548, 0.3940



26.9556, 0.1981, 0.2832



26.9556, 0.3663, 0.2739



26.9556, 0.4427, 0.3526

Sweetspot

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



26.9567, 0.2548, 0.3940



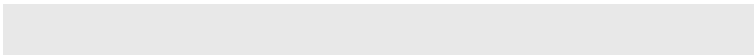
56.0873, 0.2899, 0.3457



26.8130, 0.3257, 0.5313



12.5066, 0.2873, 0.3480



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.



26.9567, 0.2548, 0.3940



47.1381, 0.2515, 0.4113



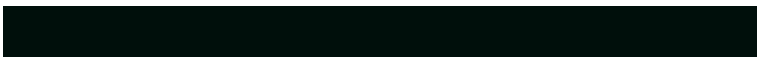
21.0497, 0.2241, 0.2863



7.4756, 0.3026, 0.3358



20.5044, 0.2521, 0.4275



0.3737, 0.2398, 0.3832

Inverse Universe

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



10.1792, 0.4680, 0.2815



15.0900, 0.5231, 0.2828



12.1022, 0.5099, 0.3607



6.6773, 0.3239, 0.3223



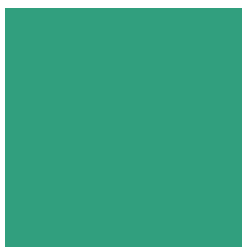
5.9950, 0.5712, 0.2920



0.1142, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 26.9556, 0.2548, 0.3940 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 26.9556, 0.2548, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

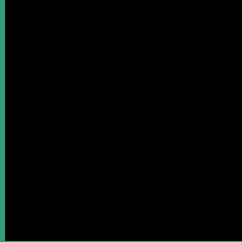
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9556, 0.2548, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 26.9556, 0.2548, 0.3940.



This preview shows how white text looks on a background with the Yxy color 26.9556, 0.2548, 0.3940.

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

26.9556, 0.2548, 0.3940

Protanopia

26.4301, 0.3469, 0.3669

Deuteranopia

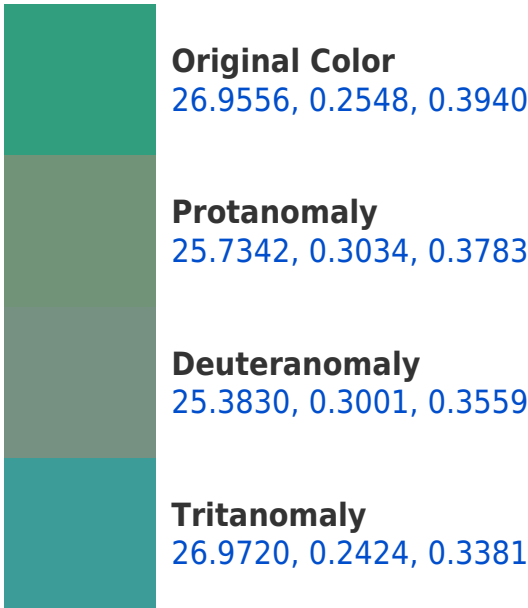
26.5161, 0.3432, 0.3370



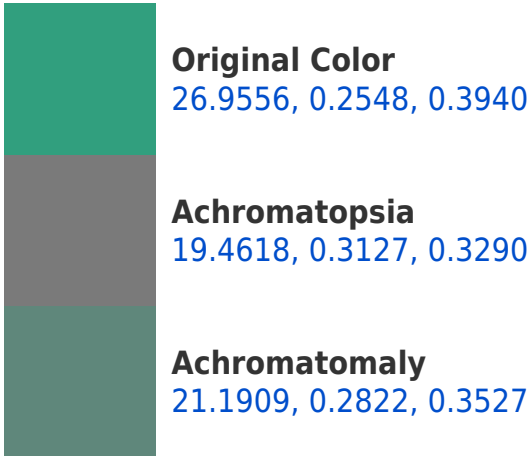
Tritanopia

27.0577, 0.2358, 0.3074

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9556, 0.2548, 0.3940 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(49, 159, 126) looks like.

```
.text, #text, p{  
    color:rgb(49, 159, 126)  
}
```

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(49, 159, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 159, 126) }
```

Border

The CSS property to change the border of an element to Yxy 26.9556, 0.2548, 0.3940 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(49, 159, 126) }
```

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

```
.border{ border-color:rgb(49, 159, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 159, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 159, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 159, 126);  
box-shadow:4px 4px 4px 4px rgb(49, 159,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9556, 0.2548, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 159, 126) }
```

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

```
.background{ background-color: rgb(49, 159,  
126) }
```

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