

Converting Colors

$Y_{xy}(28.5780, 0.2567, 0.3416)$

Have a look what the booklet for
Yxy(28.5780, 0.2567, 0.3416)
contains.

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Color

Yxy(28.5729, 0.2565, 0.3414)

Conversions

Conversions Part 1

Format	Color
Hex	549E97
RGB	84, 158, 151
RGB Percent	33%, 62%, 59%
CMY	0.6706, 0.3804, 0.4079
CMYK	0.47, 0.00, 0.04, 0.38
HSL	174°, 31%, 47%
HSV	174°, 47%, 62%
XYZ	21.4673, 28.5729, 33.6531
YIQ	135.0760, -41.8570, -17.8650

Conversions

Conversions Part 2

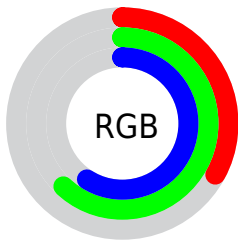
Format	Color
R_{YB}	84, 123, 158
Decimal	5545623
CIE _{Lab}	60.40, -24.83, -3.49
CIE _{LCh}	60, 25.070, 188.012
Y _{xy}	28.5729, 0.2565, 0.3414
Android (android.graphics.Color)	4283735703 (0xFF549E97)
YUV	135.0760, 7.8505, -44.7937
Hunter-Lab	53.4536, -21.8570, 0.0900

Details

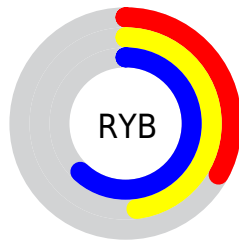
The Yxy color **28.5729, 0.2565, 0.3414** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3659, 0.4240, 0.3179**, and the grayscale version is **24.2401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3996, 0.2678, 0.3394**, and **11.4478, 0.2375, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **27.8769, 0.2482, 0.3445**, and if you desaturate by 10%, it is **29.4362, 0.2664, 0.3384**.

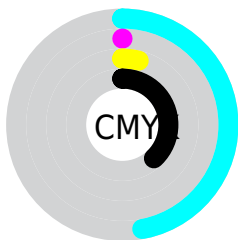
Distribution



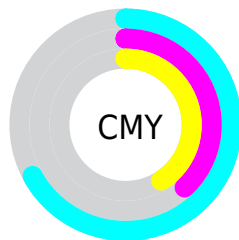
- Red (33%)
- Green (62%)
- Blue (59%)



- Red (33%)
- Yellow (48%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)




- Cyan (67%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5729, 0.2565, 0.3414 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 28.5729, 0.2565, 0.3414 by changing the saturation by 10% instead.


 28.5729, 0.2565,
0.3414


 28.5729, 0.2565,
0.3414

295.1944, 0.2866,
0.3351

 18.7580, 0.2483,
0.3430


 57.3978, 0.2679,
0.3391

 11.4955, 0.2374,
0.3450


 77.1766, 0.2720,
0.3382

 6.4012, 0.2220,
0.3476


 101.0454, 0.2755,
0.3375

 3.0905, 0.1991,
0.3511

 129.3887, 0.2784,
0.3369

 1.1792, 0.1494,
0.3605

162.5909, 0.2809,
0.3363

 0.0446, 0.0000,
0.1322

201.0363, 0.2830,

 0.0000, 0.0000,

0.3359

0.0000

245.1093, 0.2849,
0.3355

■ 28.5729, 0.2565,
0.3414

■ 28.5729, 0.2565,
0.3414

■ 27.8769, 0.2482,
0.3445

■ 29.4362, 0.2664,
0.3384

■ 27.3337, 0.2418,
0.3476

■ 30.4736, 0.2776,
0.3356

■ 26.9318, 0.2371,
0.3508


■ 31.6956, 0.2900,
0.3330


■ 26.6565, 0.2343,
0.3540

■ 33.1108, 0.3033,
0.3305

■ 26.4856, 0.2331,
0.3572


■ 34.7274, 0.3171,
0.3283

 26.4389, 0.2328,
0.3582

 36.5530, 0.3313,
0.3263

 38.5949, 0.3457,
0.3245

 40.8600, 0.3599,
0.3230

 43.3549, 0.3738,
0.3216

Harmonies

Analogous

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



28.5729, 0.2896, 0.3795



28.5729, 0.2565, 0.3414



28.5729, 0.2387, 0.3023

Triad

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



28.5729, 0.2565, 0.3414



28.5729, 0.2911, 0.2669



28.5729, 0.3914, 0.3785

Complementary

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



28.5729, 0.2565, 0.3414



14.3659, 0.4240, 0.3179

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.



28.5729, 0.3929, 0.3471



28.5729, 0.2565, 0.3414



28.5729, 0.3328, 0.2853

Square

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



28.5729, 0.2565, 0.3414



28.5729, 0.2576, 0.2626



28.5729, 0.3710, 0.3138



28.5729, 0.3678, 0.3996

Rectangle

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



28.5729, 0.2565, 0.3414



28.5729, 0.2369, 0.2820



28.5729, 0.3710, 0.3138



28.5729, 0.3946, 0.3687

Sweetspot

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



28.5740, 0.2565, 0.3414



58.1798, 0.2934, 0.3323



27.3401, 0.3123, 0.4695



13.0037, 0.2907, 0.3328



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.



28.5740, 0.2565, 0.3414



50.5921, 0.2481, 0.3446



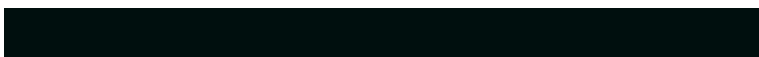
19.8972, 0.2419, 0.2735



7.4986, 0.3000, 0.3311



21.1764, 0.2328, 0.3579



0.3815, 0.2292, 0.3452

Inverse Universe

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



14.3659, 0.4240, 0.3179



21.6192, 0.4640, 0.3161



19.8546, 0.4120, 0.3774



6.6559, 0.3270, 0.3269



5.8523, 0.6263, 0.3224



0.1073, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 28.5729, 0.2565, 0.3414 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 28.5729, 0.2565, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

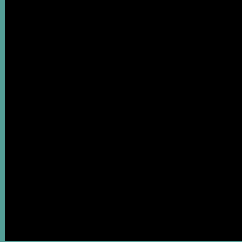
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5729, 0.2565, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 28.5729, 0.2565, 0.3414.

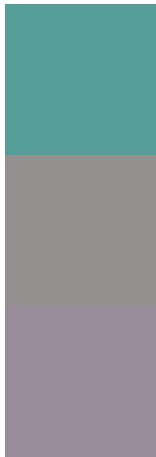


This preview shows how white text looks on a background with the Yxy color 28.5729, 0.2565, 0.3414.

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

28.5729, 0.2565, 0.3414

Protanopia

28.2256, 0.3179, 0.3306

Deuteranopia

28.2863, 0.3127, 0.3074



Tritanopia

28.3937, 0.2473, 0.3066

Trichromacy



Original Color

28.5729, 0.2565, 0.3414

Protanomaly

27.9302, 0.2917, 0.3340

Deuteranomaly

27.8677, 0.2884, 0.3174

Tritanomaly

28.4118, 0.2503, 0.3184

Monochromacy



Original Color

28.5729, 0.2565, 0.3414

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.2810, 0.2871, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5729, 0.2565, 0.3414 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(84, 158, 151)` looks like.

```
.text, #text, p{  
    color:rgb(84, 158, 151)  
}
```

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(84, 158, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 158, 151) }
```

Border

The CSS property to change the border of an element to Yxy 28.5729, 0.2565, 0.3414 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(84, 158, 151) }
```

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

```
.border{ border-color:rgb(84, 158, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 158, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 158, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 158, 151);  
box-shadow:4px 4px 4px 4px rgb(84, 158,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5729, 0.2565, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 158, 151) }
```

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

```
.background{ background-color: rgb(84, 158,  
151) }
```

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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