

Converting Colors

$Y_{xy}(28.3729, 0.2537, 0.3426)$

Have a look what the booklet for
Yxy(28.3729, 0.2537, 0.3426)
contains.

Yxy(28.3180, 0.2540, 0.3433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.3180, 0.2540, 0.3433)$

Conversions

Conversions Part 1

Format	Color
Hex	4F9E96
RGB	79, 158, 150
RGB Percent	31%, 62%, 59%
CMY	0.6905, 0.3803, 0.4117
CMYK	0.50, 0.00, 0.05, 0.38
HSL	174°, 33%, 46%
HSV	174°, 50%, 62%
XYZ	20.9519, 28.3180, 33.2178
YIQ	133.4670, -44.5160, -19.2360

Conversions

Conversions Part 2

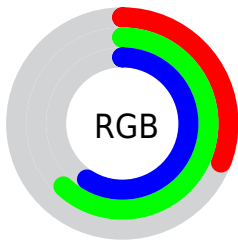
Format	Color
R_{YB}	79, 121, 158
Decimal	5217942
CIE _{Lab}	60.17, -26.30, -3.30
CIE _{LCh}	60, 26.507, 187.155
Yxy	28.3180, 0.2540, 0.3433
Android (android.graphics.Color)	4283408022 (0xFF4F9E96)
YUV	133.4670, 8.1508, -47.7676
Hunter-Lab	53.2147, -22.8460, 0.2401

Details

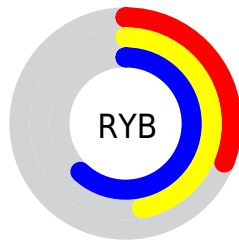
The Yxy color **28.3180, 0.2540, 0.3433** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.5386, 0.4350, 0.3164**, and the grayscale version is **23.6106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0165, 0.2661, 0.3407**, and **11.3191, 0.2343, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **27.6697, 0.2463, 0.3466**, and if you desaturate by 10%, it is **29.1302, 0.2633, 0.3401**.

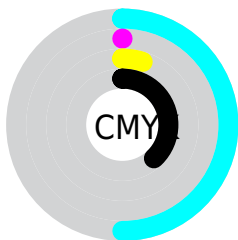
Distribution



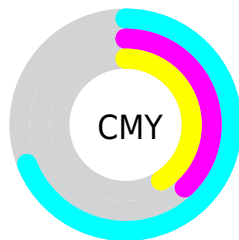
- Red (31%)
- Green (62%)
- Blue (59%)



- Red (31%)
- Yellow (47%)
- Blue (62%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (38%)





- Cyan (69%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3180, 0.2540, 0.3433 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 28.3180, 0.2540, 0.3433 by changing the saturation by 10% instead.

 28.3180, 0.2540,
0.3433


 28.3180, 0.2540,
0.3433


293.9833, 0.2854,
0.3360


 18.5655, 0.2454,
0.3452


 56.9917, 0.2659,
0.3406


 11.3568, 0.2340,
0.3476

 76.6818, 0.2703,
0.3396

 6.3073, 0.2179,
0.3507


 100.4531, 0.2739,
0.3388

 3.0328, 0.1938,
0.3550

 128.6902, 0.2769,
0.3380

 1.1489, 0.1372,
0.3678

 161.7773, 0.2795,
0.3374

 0.0194, 0.0000,
0.0714

200.0990, 0.2817,

 0.0000, 0.0000,

0.3369

0.0000

244.0395, 0.2837,
0.3364

■ 28.3180, 0.2540,
0.3433

■ 28.3180, 0.2540,
0.3433

■ 27.6697, 0.2463,
0.3466

■ 29.1302, 0.2633,
0.3401

■ 27.1704, 0.2405,
0.3500

■ 30.1135, 0.2741,
0.3370

■ 26.8080, 0.2365,
0.3535

■ 31.2785, 0.2861,
0.3341

■ 26.5672, 0.2343,
0.3569

■ 32.6342, 0.2990,
0.3315

■ 26.4113, 0.2334,
0.3602

■ 34.1888, 0.3126,
0.3290

■ 35.9501, 0.3267,
0.3268

■ 37.9255, 0.3409,
0.3248

■ 40.1220, 0.3550,
0.3231

■ 42.5463, 0.3690,
0.3215

Harmonies

Analogous

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



28.3180, 0.2892, 0.3837



28.3180, 0.2540, 0.3433



28.3180, 0.2348, 0.3016

Triad

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



28.3180, 0.2540, 0.3433



28.3180, 0.2885, 0.2632



28.3180, 0.3965, 0.3802

Complementary

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



28.3180, 0.2540, 0.3433



13.5386, 0.4350, 0.3164

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.



28.3180, 0.3975, 0.3468



28.3180, 0.2540, 0.3433



28.3180, 0.3326, 0.2822

Square

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



28.3180, 0.2540, 0.3433



28.3180, 0.2536, 0.2589



28.3180, 0.3735, 0.3119



28.3180, 0.3720, 0.4034

Rectangle

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



28.3180, 0.2540, 0.3433



28.3180, 0.2326, 0.2799



28.3180, 0.3735, 0.3119



28.3180, 0.3997, 0.3698

Sweetspot

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



28.3191, 0.2540, 0.3433



57.9192, 0.2922, 0.3328



27.1034, 0.3131, 0.4800



12.9496, 0.2896, 0.3334



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.



28.3191, 0.2540, 0.3433



50.1249, 0.2456, 0.3470



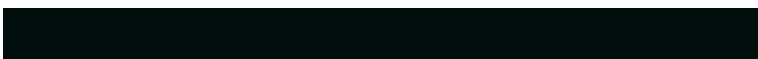
19.4872, 0.2378, 0.2715



7.4979, 0.3001, 0.3313



21.1525, 0.2333, 0.3600



0.3812, 0.2295, 0.3463

Inverse Universe

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



13.5386, 0.4350, 0.3164



20.1584, 0.4801, 0.3148



18.8228, 0.4223, 0.3784



6.6565, 0.3269, 0.3268



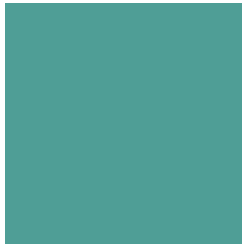
5.8548, 0.6253, 0.3218



0.1075, 0.5656, 0.2889

Previews

White Background



This preview shows how the Yxy color 28.3180, 0.2540, 0.3433 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 28.3180, 0.2540, 0.3433 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 28.3180, 0.2540, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 28.3180, 0.2540, 0.3433.

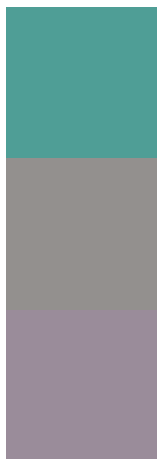


This preview shows how white text looks on a background with the Yxy color 28.3180, 0.2540, 0.3433.

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

28.3180, 0.2540, 0.3433

Protanopia

28.1026, 0.3179, 0.3322

Deuteranopia

27.9593, 0.3137, 0.3074



Tritanopia

28.2011, 0.2449, 0.3064

Trichromacy



Original Color

28.3180, 0.2540, 0.3433

Protanomaly

27.6768, 0.2897, 0.3358

Deuteranomaly

27.6794, 0.2873, 0.3190

Tritanomaly

28.1891, 0.2485, 0.3200

Monochromacy



Original Color

28.3180, 0.2540, 0.3433

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.7208, 0.2859, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3180, 0.2540, 0.3433 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(79, 158, 150)` looks like.

```
.text, #text, p{  
    color:rgb(79, 158, 150)  
}
```

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(79, 158, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 158, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.3180, 0.2540, 0.3433 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(79, 158, 150) }
```

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

```
.border{ border-color:rgb(79, 158, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 158, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 158, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 158, 150);  
box-shadow:4px 4px 4px 4px rgb(79, 158,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3180, 0.2540, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 158, 150) }
```

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

```
.background{ background-color: rgb(79, 158,  
150) }
```

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