

Converting Colors

$Yxy(32.4563, 0.2551, 0.3360)$

Have a look what the booklet for
Yxy(32.4563, 0.2551, 0.3360)
contains.

Yxy(32.4554, 0.2548, 0.3356)	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

Yxy(32.4554, 0.2548, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	5AA7A3
RGB	90, 167, 163
RGB Percent	35%, 65%, 64%
CMY	0.6473, 0.3451, 0.3608
CMYK	0.46, 0.00, 0.02, 0.35
HSL	177°, 30%, 50%
HSV	177°, 46%, 65%
XYZ	24.6413, 32.4554, 39.6118
YIQ	143.5210, -44.6080, -17.5680

Conversions

Conversions Part 2

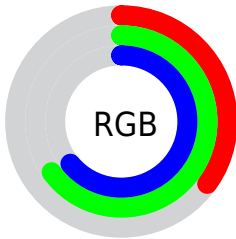
Format	Color
RYB	90, 130, 167
Decimal	5941155
CIELab	63.72, -24.79, -5.33
CIELCh	64, 25.357, 192.136
Yxy	32.4554, 0.2548, 0.3356
Android (android.graphics.Color)	4284131235 (0xFF5AA7A3)
YUV	143.5210, 9.6031, -46.9379
Hunter-Lab	56.9696, -22.4894, -1.3465

Details

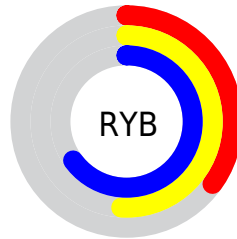
The Yxy color **32.4554, 0.2548, 0.3356** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3278, 0.4276, 0.3231**, and the grayscale version is **27.6571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3243, 0.2660, 0.3339**, and **13.7162, 0.2370, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **31.6806, 0.2461, 0.3373**, and if you desaturate by 10%, it is **33.4210, 0.2651, 0.3340**.

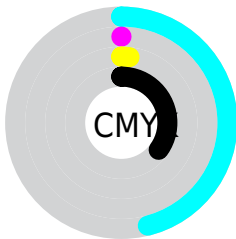
Distribution



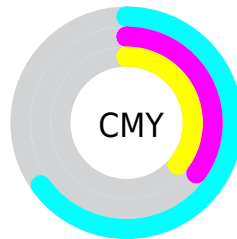
- Red (35%)
- Green (65%)
- Blue (64%)



- Red (35%)
- Yellow (51%)
- Blue (65%)



- Cyan (46%)
- Magenta (0%)
- Yellow (2%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4554, 0.2548, 0.3356 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 32.4554, 0.2548, 0.3356 by changing the saturation by 10% instead.

 32.4554, 0.2548,
0.3356


 32.4554, 0.2548,
0.3356


313.1885, 0.2851,
0.3326

 21.7096, 0.2468,
0.3362


 63.5243, 0.2661,
0.3346


 13.6437, 0.2363,
0.3369


 84.6162, 0.2703,
0.3342

 7.8732, 0.2219,
0.3376


 109.9256, 0.2737,
0.3339

 4.0139, 0.2010,
0.3381

 139.8369, 0.2767,
0.3335

 1.6814, 0.1682,
0.3374

174.7344, 0.2792,
0.3333

 0.4115, 0.0000,
0.3340

215.0026, 0.2814,

 0.0000, 0.0000,

0.3330

0.0000

261.0258, 0.2834,
0.3328

■ 32.4554, 0.2548,
0.3356

■ 32.4554, 0.2548,
0.3356

■ 31.6806, 0.2461,
0.3373

■ 33.4210, 0.2651,
0.3340

■ 31.0802, 0.2392,
0.3390

■ 34.5853, 0.2769,
0.3325

■ 30.6409, 0.2342,
0.3407


■ 35.9602, 0.2899,
0.3311


■ 30.3463, 0.2311,
0.3424

■ 37.5555, 0.3038,
0.3298


■ 30.1738, 0.2295,
0.3441


■ 39.3805, 0.3184,
0.3286

 30.1206, 0.2291,
0.3447

 41.4439, 0.3333,
0.3275

 43.7541, 0.3484,
0.3265

 46.3189, 0.3633,
0.3257

 49.1459, 0.3781,
0.3250

Harmonies

Analogous

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



32.4554, 0.2852, 0.3734



32.4554, 0.2548, 0.3356



32.4554, 0.2398, 0.2987

Triad

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



32.4554, 0.2548, 0.3356



32.4554, 0.2971, 0.2704



32.4554, 0.3870, 0.3807

Complementary

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



32.4554, 0.2548, 0.3356



16.3278, 0.4276, 0.3231

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.



32.4554, 0.3916, 0.3512



32.4554, 0.2548, 0.3356



32.4554, 0.3378, 0.2899

Square

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



32.4554, 0.2548, 0.3356



32.4554, 0.2629, 0.2641



32.4554, 0.3732, 0.3186



32.4554, 0.3618, 0.3990

Rectangle

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



32.4554, 0.2548, 0.3356



32.4554, 0.2397, 0.2802



32.4554, 0.3732, 0.3186



32.4554, 0.3911, 0.3717

Sweetspot

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



32.4567, 0.2548, 0.3356



64.9017, 0.2925, 0.3308



30.8163, 0.3102, 0.4687



14.3983, 0.2897, 0.3311



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.4567, 0.2548, 0.3356



56.7477, 0.2462, 0.3372



21.9060, 0.2418, 0.2694



8.5252, 0.2994, 0.3302



23.0474, 0.2290, 0.3445



0.5627, 0.2275, 0.3389

Inverse Universe

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



16.3278, 0.4276, 0.3231



24.3570, 0.4677, 0.3223



23.2049, 0.4087, 0.3808



7.5484, 0.3278, 0.3279



6.3035, 0.6329, 0.3260



0.1553, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 32.4554, 0.2548, 0.3356 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.4554, 0.2548, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

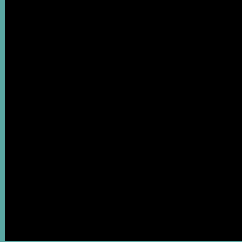
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4554, 0.2548, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 32.4554, 0.2548, 0.3356.

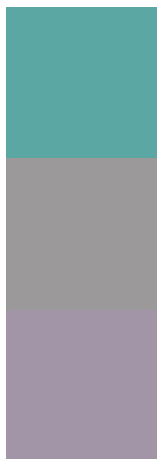


This preview shows how white text looks on a background with the Yxy color 32.4554, 0.2548, 0.3356.

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

32.4554, 0.2548, 0.3356

Protanopia

32.2169, 0.3139, 0.3260

Deuteranopia

31.9663, 0.3089, 0.3027



Tritanopia

32.5575, 0.2478, 0.3078

Trichromacy



Original Color

32.4554, 0.2548, 0.3356

Protanomaly

31.8279, 0.2885, 0.3289

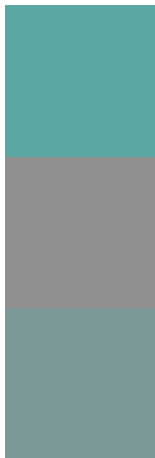
Deuteranomaly

31.7643, 0.2853, 0.3133

Tritanomaly

32.6167, 0.2500, 0.3173

Monochromacy



Original Color

32.4554, 0.2548, 0.3356

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.9759, 0.2867, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4554, 0.2548, 0.3356 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(90, 167, 163)` looks like.

```
.text, #text, p{  
  color:rgb(90, 167, 163)  
}
```

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(90, 167, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 167, 163) }
```

Border

The CSS property to change the border of an element to Yxy 32.4554, 0.2548, 0.3356 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(90, 167, 163) }
```

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

```
.border{ border-color:rgb(90, 167, 163) }
```

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

Here you see how a box with a 4 pixel rgb(90, 167, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 167, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 167, 163);  
box-shadow:4px 4px 4px 4px rgb(90, 167,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4554, 0.2548, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 167, 163) }
```

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

```
.background{ background-color: rgb(90, 167,  
163) }
```

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