

Converting Colors

$Y_{xy}(15.6374, 0.2782, 0.3350)$

Have a look what the booklet for
Yxy(15.6374, 0.2782, 0.3350)
contains.

Yxy(15.6143, 0.2787, 0.3355)	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(15.6143, 0.2787, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	557471
RGB	85, 116, 113
RGB Percent	33%, 45%, 44%
CMY	0.6668, 0.5451, 0.5568
CMYK	0.27, 0.00, 0.03, 0.55
HSL	174°, 15%, 39%
HSV	174°, 27%, 45%
XYZ	12.9708, 15.6143, 17.9553
YIQ	106.3890, -17.5130, -7.5050

Conversions

Conversions Part 2

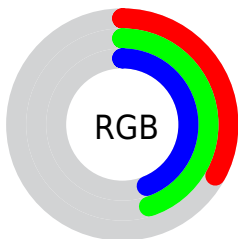
Format	Color
R_{YB}	85, 101, 116
Decimal	5600369
CIE _{Lab}	46.46, -11.82, -1.98
CIE _{LCh}	46, 11.985, 189.499
Yxy	15.6143, 0.2787, 0.3355
Android (android.graphics.Color)	4283790449 (0xFF557471)
YUV	106.3890, 3.2592, -18.7582
Hunter-Lab	39.5149, -10.5584, 0.7195

Details

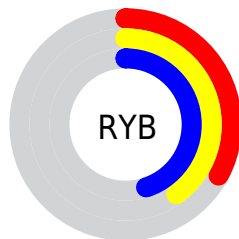
The Yxy color **15.6143, 0.2787, 0.3355** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9105, 0.3611, 0.3227**, and the grayscale version is **14.5189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9561, 0.2871, 0.3335**, and **4.9280, 0.2635, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **15.0909, 0.2677, 0.3383**, and if you desaturate by 10%, it is **16.2283, 0.2908, 0.3329**.

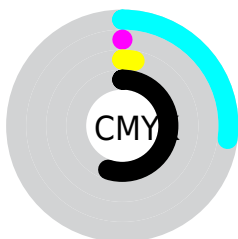
Distribution



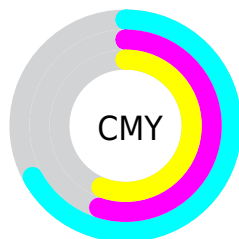
- Red (33%)
- Green (45%)
- Blue (44%)



- Red (33%)
- Yellow (40%)
- Blue (45%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (55%)



- Cyan (67%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6143, 0.2787, 0.3355 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 15.6143, 0.2787, 0.3355 by changing the saturation by 10% instead.

■ 15.6143, 0.2787,
0.3355

■ 15.6143, 0.2787,
0.3355

■ 227.0549, 0.2987,
0.3318

■ 9.2516, 0.2723,
0.3366

■ 35.9273, 0.2869,
0.3340

■ 4.9057, 0.2631,
0.3381

■ 50.6464, 0.2896,
0.3335

■ 2.1920, 0.2483,
0.3404

■ 68.9198, 0.2919,
0.3331

■ 0.7156, 0.1934,
0.3534

■ 91.1319, 0.2937,
0.3328

■ 0.0000, 0.0000,
0.0000

■ 117.6671, 0.2952,
0.3325

148.9097, 0.2966,

0.3322

185.2442, 0.2977,
0.3320

■ 15.6143, 0.2787,
0.3355

■ 15.6143, 0.2787,
0.3355

■ 15.0909, 0.2677,
0.3383

■ 16.2283, 0.2908,
0.3329

■ 14.6518, 0.2579,
0.3412

■ 16.9351, 0.3037,
0.3305

■ 14.2930, 0.2496,
0.3442

■ 17.7391, 0.3171,
0.3283

■ 14.0093, 0.2430,
0.3473

■ 18.6438, 0.3309,
0.3263

■ 13.7951, 0.2381,
0.3505

■ 19.6527, 0.3448,
0.3246

■ 13.6436, 0.2350,
0.3537

■ 20.7689, 0.3586,
0.3230

■ 13.5400, 0.2333,
0.3568

■ 21.9957, 0.3721,
0.3216

■ 13.5082, 0.2327,
0.3578

■ 23.3359, 0.3854,
0.3204

■ 24.7924, 0.3982,
0.3194

Harmonies

Analogous

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



15.6143, 0.2984, 0.3568



15.6143, 0.2787, 0.3355



15.6143, 0.2681, 0.3132

Triad

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



15.6143, 0.2787, 0.3355



15.6143, 0.3015, 0.2917



15.6143, 0.3584, 0.3599

Complementary

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



15.6143, 0.2787, 0.3355



10.9105, 0.3611, 0.3227

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.



15.6143, 0.3595, 0.3418



15.6143, 0.2787, 0.3355



15.6143, 0.3260, 0.3034

Square

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



15.6143, 0.2787, 0.3355



15.6143, 0.2808, 0.2890



15.6143, 0.3475, 0.3214



15.6143, 0.3446, 0.3707

Rectangle

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



15.6143, 0.2787, 0.3355



15.6143, 0.2673, 0.3012



15.6143, 0.3475, 0.3214



15.6143, 0.3603, 0.3545

Sweetspot

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



15.6149, 0.2787, 0.3355



29.5744, 0.3018, 0.3308



15.2264, 0.3132, 0.4002



7.0163, 0.3001, 0.3311



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.6149, 0.2787, 0.3355



26.8683, 0.2719, 0.3372



13.0102, 0.2731, 0.3009



4.1495, 0.3007, 0.3310



15.1558, 0.2328, 0.3580



73.7866, 0.2333, 0.3597

Inverse Universe

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



10.9105, 0.3611, 0.3227



17.1505, 0.3763, 0.3212



12.9901, 0.3599, 0.3554



3.7061, 0.3262, 0.3270



4.1930, 0.6237, 0.3210



20.3721, 0.6314, 0.3252

Previews

White Background



This preview shows how the Yxy color 15.6143, 0.2787, 0.3355 looks on a white 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

Black Background



This preview shows how the Yxy color 15.6143, 0.2787, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

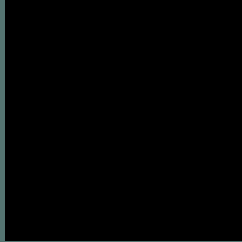
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

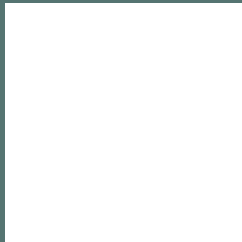
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.6143, 0.2787, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 15.6143, 0.2787, 0.3355.



This preview shows how white text looks on a background with the Yxy color 15.6143, 0.2787, 0.3355.

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

15.6143, 0.2787, 0.3355

Protanopia

15.4861, 0.3168, 0.3290

Deuteranopia

15.3974, 0.3177, 0.3112



Tritanopia

15.5161, 0.2693, 0.3076

Trichromacy



Original Color

15.6143, 0.2787, 0.3355

Protanomaly

15.5389, 0.3021, 0.3332

Deuteranomaly

15.4309, 0.3025, 0.3207

Tritanomaly

15.5960, 0.2725, 0.3181

Monochromacy



Original Color

15.6143, 0.2787, 0.3355

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8527, 0.2981, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6143, 0.2787, 0.3355 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(85, 116, 113) looks like.

```
.text, #text, p{  
    color:rgb(85, 116, 113)  
}
```

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(85, 116, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 116, 113) }
```

Border

The CSS property to change the border of an element to Yxy 15.6143, 0.2787, 0.3355 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(85, 116, 113) }
```

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

```
.border{ border-color:rgb(85, 116, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 116, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 116, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 116, 113);  
box-shadow:4px 4px 4px 4px rgb(85, 116,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6143, 0.2787, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 116, 113) }
```

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

```
.background{ background-color: rgb(85, 116,  
113) }
```

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