

Converting Colors

$Yxy(15.9457, 0.2627, 0.3397)$

Have a look what the booklet for
Yxy(15.9457, 0.2627, 0.3397)
contains.

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Color

Yxy(15.9728, 0.2627, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	467873
RGB	70, 120, 115
RGB Percent	27%, 47%, 45%
CMY	0.7254, 0.5294, 0.5490
CMYK	0.42, 0.00, 0.04, 0.53
HSL	174°, 26%, 37%
HSV	174°, 42%, 47%
XYZ	12.3377, 15.9728, 18.6545
YIQ	104.4800, -28.1950, -12.1550

Conversions

Conversions Part 2

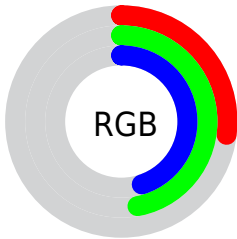
Format	Color
R_{YB}	70, 96, 120
Decimal	4618355
CIE _{Lab}	46.94, -18.12, -2.57
CIE _{LCh}	47, 18.304, 188.057
Yxy	15.9728, 0.2627, 0.3401
Android (android.graphics.Color)	4282808435 (0xFF467873)
YUV	104.4800, 5.1864, -30.2390
Hunter-Lab	39.9660, -14.8366, 0.3020

Details

The Yxy color **15.9728, 0.2627, 0.3401** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.8832, 0.4021, 0.3187**, and the grayscale version is **13.9715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3600, 0.2742, 0.3367**, and **5.0403, 0.2399, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **15.5434, 0.2537, 0.3432**, and if you desaturate by 10%, it is **16.4931, 0.2731, 0.3371**.

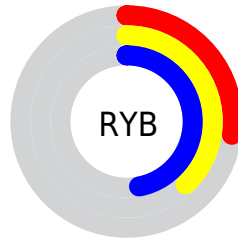
Distribution



Red (27%)

Green (47%)

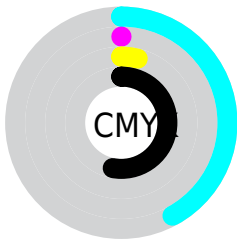
Blue (45%)



Red (27%)

Yellow (38%)

Blue (47%)

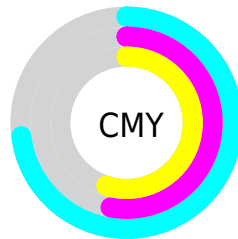


Cyan (42%)

Magenta (0%)

Yellow (4%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9728, 0.2627, 0.3401 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 15.9728, 0.2627, 0.3401 by changing the saturation by 10% instead.


 15.9728, 0.2627,
0.3401


 15.9728, 0.2627,
0.3401


229.1812, 0.2919,
0.3339


 9.5049, 0.2535,
0.3419


 36.5510, 0.2746,
0.3377


 5.0720, 0.2403,
0.3444

 51.4301, 0.2786,
0.3368


 2.2895, 0.2195,
0.3479

 69.8816, 0.2819,
0.3361

 0.7682, 0.1388,
0.3706

 92.2901, 0.2846,
0.3355

 0.0000, 0.0000,
0.0000

 119.0400, 0.2868,
0.3350

150.5155, 0.2888,

0.3346

187.1011, 0.2904,
0.3342

■ 15.9728, 0.2627,
0.3401

■ 15.9728, 0.2627,
0.3401

■ 15.5434, 0.2537,
0.3432

■ 16.4931, 0.2731,
0.3371

■ 15.1975, 0.2462,
0.3464

■ 17.1071, 0.2847,
0.3344

■ 14.9300, 0.2405,
0.3497


■ 17.8202, 0.2973,
0.3318


■ 14.7340, 0.2365,
0.3530

■ 18.6366, 0.3105,
0.3294


■ 14.6019, 0.2343,
0.3562


■ 19.5602, 0.3241,
0.3272

 14.5159, 0.2331,
0.3590

 20.5949, 0.3380,
0.3253

 21.7442, 0.3518,
0.3235

 23.0116, 0.3655,
0.3220

 24.4005, 0.3789,
0.3207

Harmonies

Analogous

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



15.9728, 0.2923, 0.3733



15.9728, 0.2627, 0.3401



15.9728, 0.2466, 0.3056

Triad

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



15.9728, 0.2627, 0.3401



15.9728, 0.2937, 0.2735



15.9728, 0.3825, 0.3734

Complementary

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



15.9728, 0.2627, 0.3401



8.8832, 0.4021, 0.3187

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.



15.9728, 0.3837, 0.3456



15.9728, 0.2627, 0.3401



15.9728, 0.3307, 0.2900

Square

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



15.9728, 0.2627, 0.3401



15.9728, 0.2637, 0.2697



15.9728, 0.3643, 0.3157



15.9728, 0.3618, 0.3917

Rectangle

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



15.9728, 0.2627, 0.3401



15.9728, 0.2450, 0.2875



15.9728, 0.3643, 0.3157



15.9728, 0.3852, 0.3648

Sweetspot

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



15.9734, 0.2627, 0.3401



31.2574, 0.2965, 0.3319



15.3716, 0.3127, 0.4482



7.3768, 0.2952, 0.3322



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.9734, 0.2627, 0.3401



27.3676, 0.2540, 0.3431



11.7740, 0.2510, 0.2821



4.5059, 0.3006, 0.3311



15.8350, 0.2331, 0.3591



75.4630, 0.2336, 0.3608

Inverse Universe

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



8.8832, 0.4021, 0.3187



13.1045, 0.4348, 0.3166



11.7491, 0.3951, 0.3711



4.0210, 0.3263, 0.3269



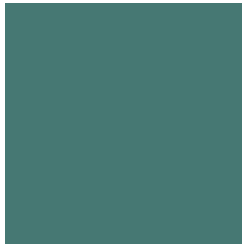
4.3839, 0.6235, 0.3208



20.8507, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 15.9728, 0.2627, 0.3401 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 15.9728, 0.2627, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

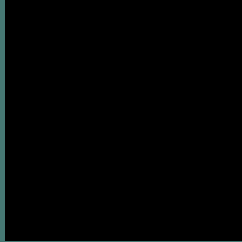
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

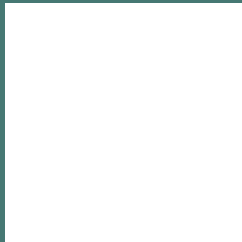
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9728, 0.2627, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 15.9728, 0.2627, 0.3401.



This preview shows how white text looks on a background with the Yxy color 15.9728, 0.2627, 0.3401.

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

15.9728, 0.2627, 0.3401

Protanopia

15.7667, 0.3180, 0.3311

Deuteranopia

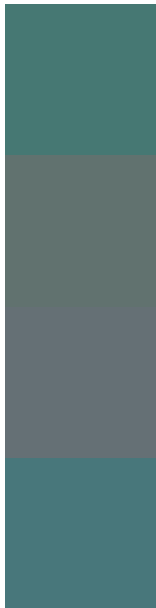
15.8847, 0.3136, 0.3094



Tritanopia

15.9318, 0.2530, 0.3072

Trichromacy



Original Color

15.9728, 0.2627, 0.3401

Protanomaly

15.7237, 0.2947, 0.3354

Deuteranomaly

15.6394, 0.2927, 0.3185

Tritanomaly

16.0014, 0.2569, 0.3201

Monochromacy



Original Color

15.9728, 0.2627, 0.3401

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5099, 0.2917, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9728, 0.2627, 0.3401 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(70, 120, 115)` looks like.

```
.text, #text, p{  
    color:rgb(70, 120, 115)  
}
```

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(70, 120, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 120, 115) }
```

Border

The CSS property to change the border of an element to Yxy 15.9728, 0.2627, 0.3401 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(70, 120, 115) }
```

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

```
.border{ border-color:rgb(70, 120, 115) }
```

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

Here you see how a box with a 4 pixel rgb(70, 120, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 120, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 120, 115);  
box-shadow:4px 4px 4px 4px rgb(70, 120,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9728, 0.2627, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 120, 115) }
```

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

```
.background{ background-color: rgb(70, 120,  
115) }
```

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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