

Converting Colors

$Y_{xy}(12.9685, 0.2671, 0.3487)$

Have a look what the booklet for
Yxy(12.9685, 0.2671, 0.3487)
contains.

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Color

Yxy(12.9669, 0.2671, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	406D65
RGB	64, 109, 101
RGB Percent	25%, 43%, 40%
CMY	0.7489, 0.5725, 0.6040
CMYK	0.41, 0.00, 0.07, 0.57
HSL	169°, 26%, 34%
HSV	169°, 41%, 43%
XYZ	9.9325, 12.9669, 14.2870
YIQ	94.6330, -24.2520, -12.0280

Conversions

Conversions Part 2

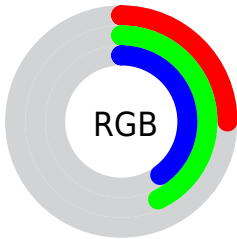
Format	Color
R_{YB}	64, 89, 109
Decimal	4222309
CIE _{Lab}	42.71, -17.56, -0.40
CIE _{LCh}	43, 17.569, 181.306
Yxy	12.9669, 0.2671, 0.3487
Android (android.graphics.Color)	4282412389 (0xFF406D65)
YUV	94.6330, 3.1389, -26.8651
Hunter-Lab	36.0096, -13.7813, 1.6830

Details

The Yxy color **12.9669, 0.2671, 0.3487** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.3893, 0.3917, 0.3108**, and the grayscale version is **11.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3341, 0.2783, 0.3439**, and **3.6972, 0.2446, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **12.5992, 0.2587, 0.3543**, and if you desaturate by 10%, it is **13.4080, 0.2768, 0.3434**.

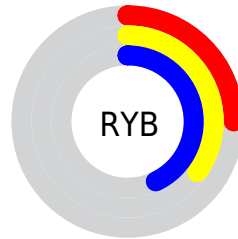
Distribution



Red (25%)

Green (43%)

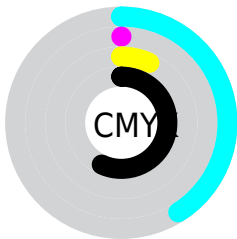
Blue (40%)



Red (25%)

Yellow (35%)

Blue (43%)

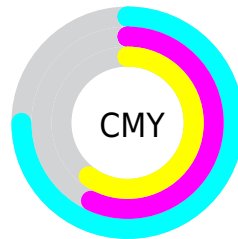


Cyan (41%)

Magenta (0%)

Yellow (7%)

Black (57%)



Cyan (75%)

Magenta (57%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9669, 0.2671, 0.3487 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 12.9669, 0.2671, 0.3487 by changing the saturation by 10% instead.

12.9669, 0.2671,
0.3487

12.9669, 0.2671,
0.3487

210.7054, 0.2946,
0.3369

7.4058, 0.2579,
0.3526

31.2443, 0.2786,
0.3438

3.7171, 0.2441,
0.3585

44.7294, 0.2824,
0.3421

1.5166, 0.2211,
0.3682

61.6245, 0.2855,
0.3408

0.3004, 0.0000,
0.4583

82.3141, 0.2880,
0.3397

0.0000, 0.0000,
0.0000

107.1827, 0.2900,
0.3389

136.6144, 0.2918,

0.3381

170.9939, 0.2933,
0.3374

■ 12.9669, 0.2671,
0.3487

■ 12.9669, 0.2671,
0.3487

■ 12.5992, 0.2587,
0.3543

■ 13.4080, 0.2768,
0.3434

■ 12.2992, 0.2517,
0.3602

■ 13.9247, 0.2876,
0.3384

■ 12.0627, 0.2464,
0.3662

■ 14.5212, 0.2991,
0.3337

■ 11.8846, 0.2428,
0.3722

■ 15.2009, 0.3112,
0.3295

■ 11.7588, 0.2409,
0.3783

■ 15.9668, 0.3236,
0.3257

■ 11.6682, 0.2399,
0.3837

■ 16.8220, 0.3361,
0.3222

■ 17.7693, 0.3486,
0.3191

■ 18.8115, 0.3609,
0.3164

■ 19.9510, 0.3729,
0.3140

Harmonies

Analogous

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



12.9669, 0.2998, 0.3808



12.9669, 0.2671, 0.3487



12.9669, 0.2471, 0.3123

Triad

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



12.9669, 0.2671, 0.3487



12.9669, 0.2853, 0.2699



12.9669, 0.3867, 0.3687

Complementary

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



12.9669, 0.2671, 0.3487



7.3893, 0.3917, 0.3108

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.



12.9669, 0.3830, 0.3390



12.9669, 0.2671, 0.3487



12.9669, 0.3225, 0.2842

Square

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



12.9669, 0.2671, 0.3487



12.9669, 0.2571, 0.2692



12.9669, 0.3590, 0.3088



12.9669, 0.3694, 0.3905

Rectangle

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



12.9669, 0.2671, 0.3487



12.9669, 0.2429, 0.2919



12.9669, 0.3590, 0.3088



12.9669, 0.3879, 0.3593

Sweetspot

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



12.9674, 0.2671, 0.3487



25.8810, 0.2978, 0.3342



12.6959, 0.3176, 0.4438



5.9999, 0.2968, 0.3346



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.9674, 0.2671, 0.3487



22.5534, 0.2586, 0.3544



10.3359, 0.2536, 0.2930



3.4831, 0.3018, 0.3327



13.6444, 0.2401, 0.3842



69.4089, 0.2410, 0.3877

Inverse Universe

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



7.3893, 0.3917, 0.3108



11.0214, 0.4223, 0.3067



9.1086, 0.3963, 0.3619



3.1248, 0.3248, 0.3253



3.8565, 0.6047, 0.3105



19.5556, 0.6164, 0.3169

Previews

White Background



This preview shows how the Yxy color 12.9669, 0.2671, 0.3487 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 12.9669, 0.2671, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

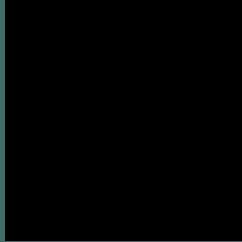
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9669, 0.2671, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 12.9669, 0.2671, 0.3487.



This preview shows how white text looks on a background with the Yxy color 12.9669, 0.2671, 0.3487.

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

12.9669, 0.2671, 0.3487

Protanopia

12.8424, 0.3227, 0.3379

Deuteranopia

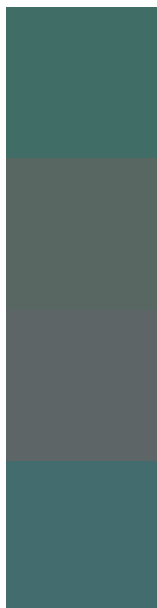
12.7799, 0.3223, 0.3162



Tritanopia

12.9821, 0.2564, 0.3100

Trichromacy



Original Color

12.9669, 0.2671, 0.3487

Protanomaly

12.7062, 0.2996, 0.3407

Deuteranomaly

12.5938, 0.3000, 0.3267

Tritanomaly

13.0442, 0.2606, 0.3241

Monochromacy



Original Color

12.9669, 0.2671, 0.3487

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.8622, 0.2939, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9669, 0.2671, 0.3487 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(64, 109, 101)` looks like.

```
.text, #text, p{  
    color:rgb(64, 109, 101)  
}
```

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(64, 109, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 109, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.9669, 0.2671, 0.3487 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(64, 109, 101) }
```

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

```
.border{ border-color:rgb(64, 109, 101) }
```

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

Here you see how a box with a 4 pixel rgb(64, 109, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 109, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 109, 101);  
box-shadow:4px 4px 4px 4px rgb(64, 109,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9669, 0.2671, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 109, 101) }
```

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

```
.background{ background-color: rgb(64, 109,  
101) }
```

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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