

Converting Colors

$Y_{xy}(23.6505, 0.2969, 0.3822)$

Have a look what the booklet for
Yxy(23.6505, 0.2969, 0.3822)
contains.

Yxy(23.7075, 0.2971, 0.3828)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7075, 0.2971, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	668F73
RGB	102, 143, 115
RGB Percent	40%, 56%, 45%
CMY	0.5998, 0.4392, 0.5490
CMYK	0.29, 0.00, 0.20, 0.44
HSL	139°, 17%, 48%
HSV	139°, 29%, 56%
XYZ	18.3999, 23.7075, 19.8244
YIQ	127.5490, -15.4480, -17.4000

Conversions

Conversions Part 2

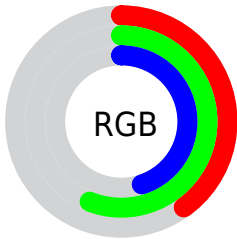
Format	Color
RYB	102, 133, 143
Decimal	6721395
CIELab	55.79, -20.21, 10.43
CIElCh	56, 22.744, 152.713
Yxy	23.7075, 0.2971, 0.3828
Android (android.graphics.Color)	4284911475 (0xFF668F73)
YUV	127.5490, -6.1867, -22.4065
Hunter-Lab	48.6903, -17.7535, 9.9432

Details

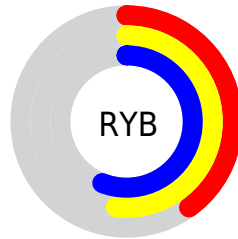
The Yxy color $23.7075, 0.2971, 0.3828$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.9637, 0.3329, 0.2807$, and the grayscale version is $21.4514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.5925, 0.3008, 0.3705$, and $8.8164, 0.2893, 0.4043$ is the 20% darker color. If you saturate the color by 10%, you get $22.7301, 0.2922, 0.4055$, and if you desaturate by 10%, it is $24.8549, 0.3024, 0.3621$.

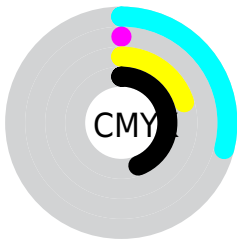
Distribution



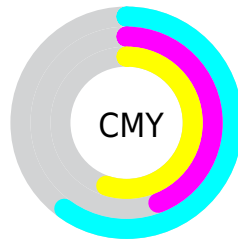
- Red (40%)
- Green (56%)
- Blue (45%)



- Red (40%)
- Yellow (52%)
- Blue (56%)



- Cyan (29%)
- Magenta (0%)
- Yellow (20%)
- Black (44%)




- Cyan (60%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7075, 0.2971, 0.3828 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 23.7075, 0.2971, 0.3828 by changing the saturation by 10% instead.

 23.7075, 0.2971,
0.3828


 23.7075, 0.2971,
0.3828


271.3383, 0.3063,
0.3519


 15.1168, 0.2942,
0.3922


 49.5525, 0.3008,
0.3704

 8.9014, 0.2900,
0.4056


 67.5755, 0.3021,
0.3661

 4.6769, 0.2835,
0.4262

 89.5114, 0.3031,
0.3627

 2.0590, 0.2717,
0.4614

 115.7447, 0.3040,
0.3598

 0.6414, 0.1534,
0.8466

146.6596, 0.3047,
0.3574

 0.0000, 0.0000,
0.0000

182.6405, 0.3053,

0.3553

224.0720, 0.3058,
0.3535

■ 23.7075, 0.2971,
0.3828

■ 23.7075, 0.2971,
0.3828

■ 22.7301, 0.2922,
0.4055

■ 24.8549, 0.3024,
0.3621

■ 21.9116, 0.2881,
0.4297

■ 26.1769, 0.3079,
0.3435

■ 21.2441, 0.2849,
0.4551

■ 27.6816, 0.3135,
0.3269

■ 20.7180, 0.2831,
0.4808

■ 29.3757, 0.3189,
0.3122

■ 20.3223, 0.2827,
0.5058

■ 31.2656, 0.3242,
0.2993

■ 20.0445, 0.2840,
0.5290

■ 33.3573, 0.3293,
0.2881

■ 19.8576, 0.2864,
0.5495

■ 35.6567, 0.3341,
0.2783

■ 19.8345, 0.2867,
0.5521

■ 38.1693, 0.3386,
0.2697

■ 40.9004, 0.3429,
0.2623

Harmonies

Analogous

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



23.7075, 0.3367, 0.4001



23.7075, 0.2971, 0.3828



23.7075, 0.2631, 0.3480

Triad

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



23.7075, 0.2971, 0.3828



23.7075, 0.2551, 0.2656



23.7075, 0.3879, 0.3409

Complementary

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



23.7075, 0.2971, 0.3828



16.9637, 0.3329, 0.2807

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.



23.7075, 0.3632, 0.3090



23.7075, 0.2971, 0.3828



23.7075, 0.2853, 0.2671

Square

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



23.7075, 0.2971, 0.3828



23.7075, 0.2401, 0.2800



23.7075, 0.3249, 0.2827



23.7075, 0.3906, 0.3721

Rectangle

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



23.7075, 0.2971, 0.3828



23.7075, 0.2478, 0.3218



23.7075, 0.3249, 0.2827



23.7075, 0.3819, 0.3300

Sweetspot

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



23.7085, 0.2971, 0.3828



46.7432, 0.3076, 0.3444



25.4057, 0.3403, 0.4014



10.6436, 0.3069, 0.3468



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.7085, 0.2971, 0.3828



41.3610, 0.2941, 0.3964



24.2145, 0.2795, 0.3441



6.0557, 0.3076, 0.3444



17.5424, 0.2864, 0.5512



0.1714, 0.2637, 0.4693

Inverse Universe

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



16.9637, 0.3329, 0.2807



27.3469, 0.3384, 0.2702



16.4817, 0.3609, 0.3146



5.4824, 0.3182, 0.3141



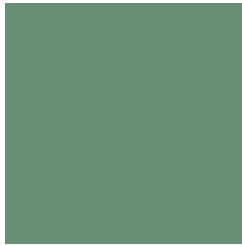
5.9432, 0.4177, 0.2075



0.0608, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 23.7075, 0.2971, 0.3828 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 23.7075, 0.2971, 0.3828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

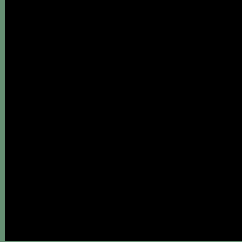
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7075, 0.2971, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 23.7075, 0.2971, 0.3828.



This preview shows how white text looks on a background with the Yxy color 23.7075, 0.2971, 0.3828.

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

23.7075, 0.2971, 0.3828

Protanopia

23.5636, 0.3473, 0.3689

Deuteranopia

23.4217, 0.3533, 0.3457



Tritanopia

23.5981, 0.2728, 0.3092

Trichromacy



Original Color

23.7075, 0.2971, 0.3828

Protanomaly

23.5732, 0.3274, 0.3742

Deuteranomaly

23.1277, 0.3311, 0.3573

Tritanomaly

23.6265, 0.2808, 0.3344

Monochromacy



Original Color

23.7075, 0.2971, 0.3828

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.1271, 0.3073, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7075, 0.2971, 0.3828 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(102, 143, 115)` looks like.

```
.text, #text, p{  
    color:rgb(102, 143, 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(102, 143, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 143, 115) }
```

Border

The CSS property to change the border of an element to Yxy 23.7075, 0.2971, 0.3828 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(102, 143, 115) }
```

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

```
.border{ border-color:rgb(102, 143, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 143, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 143, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 143, 115);  
box-shadow:4px 4px 4px 4px rgb(102, 143,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7075, 0.2971, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 143, 115) }
```

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

```
.background{ background-color: rgb(102,  
143, 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](#).

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