

Converting Colors

$Y_{xy}(23.8328, 0.2903, 0.3678)$

Have a look what the booklet for
Yxy(23.8328, 0.2903, 0.3678)
contains.

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Color

Yxy(23.8748, 0.2907, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	668F7A
RGB	102, 143, 122
RGB Percent	40%, 56%, 48%
CMY	0.6001, 0.4392, 0.5215
CMYK	0.29, 0.00, 0.15, 0.44
HSL	149°, 17%, 48%
HSV	149°, 29%, 56%
XYZ	18.8138, 23.8748, 22.0303
YIQ	128.3470, -17.6950, -15.2230

Conversions

Conversions Part 2

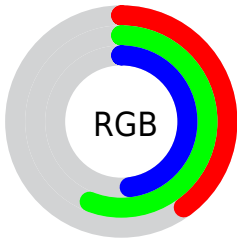
Format	Color
R_{YB}	102, 130, 143
Decimal	6721402
CIE _{Lab}	55.96, -18.79, 6.66
CIE _{LCh}	56, 19.932, 160.481
Y _{xy}	23.8748, 0.2907, 0.3689
Android (android.graphics.Color)	4284911482 (0xFF668F7A)
YUV	128.3470, -3.1291, -23.1063
Hunter-Lab	48.8618, -16.7785, 7.4712

Details

The Yxy color **23.8748, 0.2907, 0.3689** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.7701, 0.3426, 0.2924**, and the grayscale version is **21.7285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8585, 0.2960, 0.3605**, and **8.8922, 0.2817, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **22.9365, 0.2840, 0.3855**, and if you desaturate by 10%, it is **24.9729, 0.2981, 0.3536**.

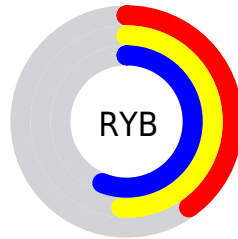
Distribution



Red (40%)

Green (56%)

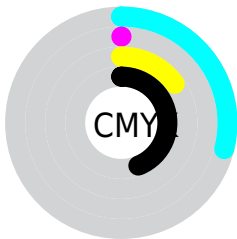
Blue (48%)



Red (40%)

Yellow (51%)

Blue (56%)

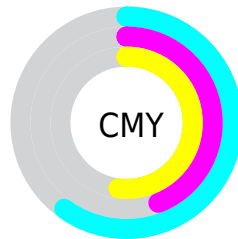


Cyan (29%)

Magenta (0%)

Yellow (15%)

Black (44%)



Cyan (60%)


Magenta (44%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8748, 0.2907, 0.3689 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 23.8748, 0.2907, 0.3689 by changing the saturation by 10% instead.


 23.8748, 0.2907,
0.3689


 23.8748, 0.2907,
0.3689


272.1869, 0.3032,
0.3462


 15.2408, 0.2870,
0.3758


 49.8258, 0.2957,
0.3598

 8.9885, 0.2817,
0.3854


 67.9116, 0.2974,
0.3567

 4.7337, 0.2737,
0.4002

 89.9167, 0.2988,
0.3541

 2.0919, 0.2603,
0.4251

 116.2257, 0.3000,
0.3520

 0.6601, 0.1560,
0.6101

147.2227, 0.3010,
0.3502

 0.0000, 0.0000,
0.0000

183.2924, 0.3018,

0.3487

224.8190, 0.3025,
0.3474

■ 23.8748, 0.2907,
0.3689

■ 23.8748, 0.2907,
0.3689

■ 22.9365, 0.2840,
0.3855

■ 24.9729, 0.2981,
0.3536

■ 22.1473, 0.2782,
0.4034

■ 26.2350, 0.3058,
0.3398

■ 21.4998, 0.2737,
0.4223

■ 27.6688, 0.3138,
0.3275

■ 20.9849, 0.2707,
0.4417

■ 29.2806, 0.3217,
0.3164

■ 20.5921, 0.2695,
0.4613

■ 31.0764, 0.3295,
0.3067

■ 20.3094, 0.2701,
0.4805

■ 33.0620, 0.3371,
0.2981

■ 20.1104, 0.2723,
0.4989

■ 35.2428, 0.3444,
0.2906

■ 20.0860, 0.2726,
0.5013

■ 37.6240, 0.3514,
0.2840

■ 40.2106, 0.3581,
0.2783

Harmonies

Analogous

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



23.8748, 0.3251, 0.3887



23.8748, 0.2907, 0.3689



23.8748, 0.2632, 0.3369

Triad

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



23.8748, 0.2907, 0.3689



23.8748, 0.2678, 0.2721



23.8748, 0.3809, 0.3473

Complementary

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



23.8748, 0.2907, 0.3689



16.7701, 0.3426, 0.2924

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.



23.8748, 0.3640, 0.3186



23.8748, 0.2907, 0.3689



23.8748, 0.2974, 0.2768

Square

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



23.8748, 0.2907, 0.3689



23.8748, 0.2507, 0.2815



23.8748, 0.3327, 0.2935



23.8748, 0.3782, 0.3734

Rectangle

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



23.8748, 0.2907, 0.3689



23.8748, 0.2521, 0.3146



23.8748, 0.3327, 0.2935



23.8748, 0.3773, 0.3377

Sweetspot

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



23.8758, 0.2907, 0.3689



46.8572, 0.3054, 0.3405



24.8298, 0.3318, 0.4035



10.6732, 0.3044, 0.3423



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.



23.8758, 0.2907, 0.3689



41.7063, 0.2865, 0.3788



24.4332, 0.2730, 0.3301



6.0705, 0.3054, 0.3405



17.7627, 0.2723, 0.5004



0.1742, 0.2505, 0.4218

Inverse Universe

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



16.7701, 0.3426, 0.2924



26.9642, 0.3510, 0.2843



16.3130, 0.3721, 0.3280



5.4673, 0.3207, 0.3178



5.5954, 0.4856, 0.2449



0.0579, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 23.8748, 0.2907, 0.3689 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 23.8748, 0.2907, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

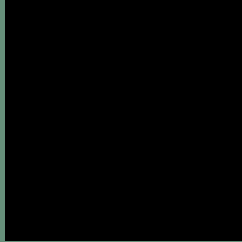
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8748, 0.2907, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 23.8748, 0.2907, 0.3689.



This preview shows how white text looks on a background with the Yxy color 23.8748, 0.2907, 0.3689.

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

23.8748, 0.2907, 0.3689

Protanopia

23.6349, 0.3383, 0.3567

Deuteranopia

23.6652, 0.3423, 0.3357



Tritanopia

23.8554, 0.2712, 0.3093

Trichromacy



Original Color

23.8748, 0.2907, 0.3689

Protanomaly

23.6588, 0.3190, 0.3614

Deuteranomaly

23.4920, 0.3222, 0.3466

Tritanomaly

23.7138, 0.2782, 0.3289

Monochromacy



Original Color

23.8748, 0.2907, 0.3689

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2034, 0.3043, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8748, 0.2907, 0.3689 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(102, 143, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 143, 122) }
```

Border

The CSS property to change the border of an element to Yxy 23.8748, 0.2907, 0.3689 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, 122) }
```

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

```
.border{ border-color:rgb(102, 143, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 143, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 143, 122);  
box-shadow:4px 4px 4px 4px rgb(102, 143,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8748, 0.2907, 0.3689 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, 122) }
```

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

```
.background{ background-color: rgb(102,  
143, 122) }
```

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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