

Converting Colors

$Y_{xy}(23.6988, 0.3026, 0.3893)$

Have a look what the booklet for
Yxy(23.6988, 0.3026, 0.3893)
contains.

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Color

$Y_{xy}(23.7357, 0.3027, 0.3905)$

Conversions

Conversions Part 1

Format	Color
Hex	688F6F
RGB	104, 143, 111
RGB Percent	41%, 56%, 44%
CMY	0.5922, 0.4392, 0.5647
CMYK	0.27, 0.00, 0.22, 0.44
HSL	131°, 16%, 48%
HSV	131°, 27%, 56%
XYZ	18.3990, 23.7357, 18.6482
YIQ	127.6910, -12.9720, -18.2200

Conversions

Conversions Part 2

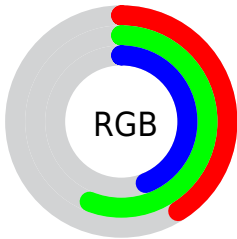
Format	Color
R_{YB}	104, 137, 143
Decimal	6852463
CIE _{Lab}	55.82, -20.34, 12.76
CIE _{LCh}	56, 24.013, 147.892
Yxy	23.7357, 0.3027, 0.3905
Android (android.graphics.Color)	4285042543 (0xFF688F6F)
YUV	127.6910, -8.2287, -20.7770
Hunter-Lab	48.7193, -17.8478, 11.4092

Details

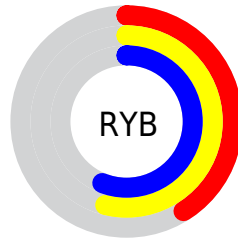
The Yxy color $23.7357, 0.3027, 0.3905$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.5156, 0.3247, 0.2745$, and the grayscale version is $21.5055, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6448, 0.3051, 0.3760$, and $8.8254, 0.2972, 0.4163$ is the 20% darker color. If you saturate the color by 10%, you get $22.7107, 0.2993, 0.4176$, and if you desaturate by 10%, it is $24.9418, 0.3063, 0.3657$.

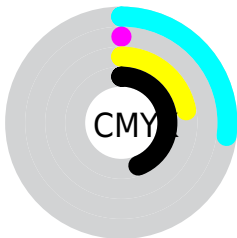
Distribution



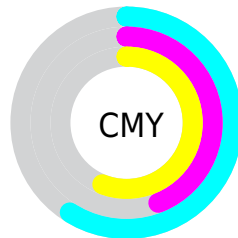
- Red (41%)
- Green (56%)
- Blue (44%)



- Red (41%)
- Yellow (54%)
- Blue (56%)



- Cyan (27%)
- Magenta (0%)
- Yellow (22%)
- Black (44%)




- Cyan (59%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7357, 0.3027, 0.3905 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 23.7357, 0.3027, 0.3905 by changing the saturation by 10% instead.


 23.7357, 0.3027,
0.3905


 23.7357, 0.3027,
0.3905


271.4815, 0.3089,
0.3551


 15.1377, 0.3006,
0.4013


 49.5986, 0.3053,
0.3763


 8.9161, 0.2975,
0.4168


 67.6322, 0.3062,
0.3714

 4.6865, 0.2923,
0.4404

 89.5798, 0.3068,
0.3674

 2.0645, 0.2824,
0.4809

 115.8258, 0.3074,
0.3641

 0.6446, 0.1526,
0.8474

146.7546, 0.3079,
0.3613

 0.0000, 0.0000,
0.0000

182.7505, 0.3082,

0.3590

224.1980, 0.3086,
0.3569

■ 23.7357, 0.3027,
0.3905

■ 23.7357, 0.3027,
0.3905

■ 22.7107, 0.2993,
0.4176

■ 24.9418, 0.3063,
0.3657

■ 21.8551, 0.2962,
0.4466

■ 26.3340, 0.3101,
0.3435

■ 21.1607, 0.2939,
0.4765

■ 27.9209, 0.3137,
0.3239

■ 20.6170, 0.2924,
0.5060

■ 29.7096, 0.3172,
0.3067

■ 20.2127, 0.2920,
0.5336

■ 31.7069, 0.3205,
0.2917

■ 19.9346, 0.2928,
0.5574

■ 33.9193, 0.3236,
0.2787

■ 19.7600, 0.2943,
0.5763

■ 36.3528, 0.3265,
0.2674

■ 19.7201, 0.2946,
0.5806

■ 39.0135, 0.3292,
0.2576

■ 41.9071, 0.3317,
0.2491

Harmonies

Analogous

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



23.7357, 0.3444, 0.4048



23.7357, 0.3027, 0.3905



23.7357, 0.2654, 0.3556

Triad

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



23.7357, 0.3027, 0.3905



23.7357, 0.2483, 0.2635



23.7357, 0.3894, 0.3358

Complementary

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



23.7357, 0.3027, 0.3905



17.5156, 0.3247, 0.2745

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.



23.7357, 0.3602, 0.3029



23.7357, 0.3027, 0.3905



23.7357, 0.2778, 0.2626

Square

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



23.7357, 0.3027, 0.3905



23.7357, 0.2356, 0.2812



23.7357, 0.3185, 0.2769



23.7357, 0.3961, 0.3692

Rectangle

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



23.7357, 0.3027, 0.3905



23.7357, 0.2476, 0.3278



23.7357, 0.3185, 0.2769



23.7357, 0.3818, 0.3244

Sweetspot

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



23.7367, 0.3027, 0.3905



46.9213, 0.3097, 0.3454



25.9226, 0.3450, 0.3964



10.6769, 0.3092, 0.3484



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.



23.7367, 0.3027, 0.3905



41.2905, 0.3005, 0.4076



24.2009, 0.2855, 0.3532



6.0442, 0.3094, 0.3475



17.4369, 0.2944, 0.5799



0.1691, 0.2770, 0.5171

Inverse Universe

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



17.5156, 0.3247, 0.2745



28.1543, 0.3281, 0.2615



17.0222, 0.3505, 0.3062



5.4946, 0.3163, 0.3111



6.3084, 0.3708, 0.1816



0.0631, 0.3436, 0.1666

Previews

White Background



This preview shows how the Yxy color 23.7357, 0.3027, 0.3905 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 23.7357, 0.3027, 0.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

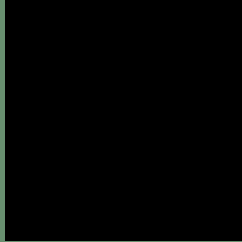
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7357, 0.3027, 0.3905

Background



This preview shows how black text looks on a background with the Yxy color 23.7357, 0.3027, 0.3905.



This preview shows how white text looks on a background with the Yxy color 23.7357, 0.3027, 0.3905.

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

23.7357, 0.3027, 0.3905

Protanopia

23.5664, 0.3530, 0.3757

Deuteranopia

23.4256, 0.3593, 0.3523



Tritanopia

23.7264, 0.2747, 0.3093

Trichromacy



Original Color

23.7357, 0.3027, 0.3905

Protanomaly

23.5632, 0.3328, 0.3815

Deuteranomaly

23.1182, 0.3367, 0.3644

Tritanomaly

23.6936, 0.2845, 0.3381

Monochromacy



Original Color

23.7357, 0.3027, 0.3905

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.1021, 0.3084, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7357, 0.3027, 0.3905 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(104, 143, 111)` looks like.

```
.text, #text, p{  
    color:rgb(104, 143, 111)  
}
```

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(104, 143, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 143, 111) }
```

Border

The CSS property to change the border of an element to Yxy 23.7357, 0.3027, 0.3905 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(104, 143, 111) }
```

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

```
.border{ border-color:rgb(104, 143, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 143, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 143, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 143, 111);  
box-shadow:4px 4px 4px 4px rgb(104, 143,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7357, 0.3027, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 143, 111) }
```

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

```
.background{ background-color: rgb(104,  
143, 111) }
```

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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