

Converting Colors

$Y_{xy}(23.2701, 0.3029, 0.3938)$

Have a look what the booklet for
Yxy(23.2701, 0.3029, 0.3938)
contains.

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Color

$Y_{xy}(23.2749, 0.3026, 0.3931)$

Conversions

Conversions Part 1

Format	Color
Hex	668E6D
RGB	102, 142, 109
RGB Percent	40%, 56%, 43%
CMY	0.5998, 0.4432, 0.5725
CMYK	0.28, 0.00, 0.23, 0.44
HSL	130°, 16%, 48%
HSV	130°, 28%, 56%
XYZ	17.9165, 23.2749, 18.0172
YIQ	126.2780, -13.2470, -18.7430

Conversions

Conversions Part 2

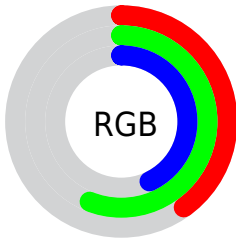
Format	Color
R_{YB}	102, 136, 142
Decimal	6721133
CIE _{Lab}	55.35, -20.87, 13.22
CIE _{LCh}	55, 24.711, 147.646
Yxy	23.2749, 0.3026, 0.3931
Android (android.graphics.Color)	4284911213 (0xFF668E6D)
YUV	126.2780, -8.5181, -21.2918
Hunter-Lab	48.2441, -18.1371, 11.6285

Details

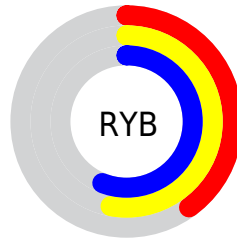
The Yxy color $23.2749, 0.3026, 0.3931$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.0117, 0.3249, 0.2724$, and the grayscale version is $20.9999, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9231, 0.3050, 0.3778$, and $8.7481, 0.2970, 0.4233$ is the 20% darker color. If you saturate the color by 10%, you get $22.2797, 0.2992, 0.4206$, and if you desaturate by 10%, it is $24.4479, 0.3062, 0.3680$.

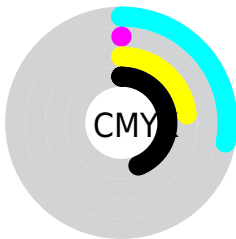
Distribution



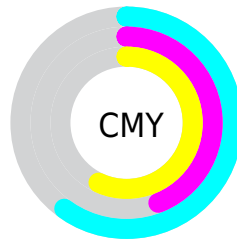
- Red (40%)
- Green (56%)
- Blue (43%)



- Red (40%)
- Yellow (53%)
- Blue (56%)



- Cyan (28%)
- Magenta (0%)
- Yellow (23%)
- Black (44%)



- Cyan (60%)
- Magenta (44%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2749, 0.3026, 0.3931 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 23.2749, 0.3026, 0.3931 by changing the saturation by 10% instead.


 23.2749, 0.3026,
0.3931


 23.2749, 0.3026,
0.3931


269.1338, 0.3089,
0.3561


 14.7966, 0.3004,
0.4045


 48.8443, 0.3053,
0.3782


 8.6768, 0.2972,
0.4208


 66.7043, 0.3061,
0.3731

 4.5310, 0.2917,
0.4459

 88.4602, 0.3068,
0.3689

 1.9748, 0.2812,
0.4893

 114.4965, 0.3074,
0.3655

 0.5928, 0.0832,
0.9168

145.1977, 0.3079,
0.3626

 0.0000, 0.0000,
0.0000

180.9480, 0.3083,

0.3601

222.1319, 0.3086,
0.3580

■ 23.2749, 0.3026,
0.3931

■ 23.2749, 0.3026,
0.3931

■ 22.2797, 0.2992,
0.4206

■ 24.4479, 0.3062,
0.3680

■ 21.4508, 0.2963,
0.4498

■ 25.8036, 0.3098,
0.3454

■ 20.7799, 0.2940,
0.4799

■ 27.3507, 0.3134,
0.3255

■ 20.2568, 0.2927,
0.5094

■ 29.0961, 0.3168,
0.3080

■ 19.8699, 0.2924,
0.5368

■ 31.0466, 0.3201,
0.2927

■ 19.6063, 0.2932,
0.5602

■ 33.2085, 0.3231,
0.2795

■ 19.4402, 0.2947,
0.5785

■ 35.5880, 0.3260,
0.2680

■ 19.4134, 0.2948,
0.5814

■ 38.1909, 0.3286,
0.2580

■ 41.0228, 0.3310,
0.2494

Harmonies

Analogous

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



23.2749, 0.3457, 0.4077



23.2749, 0.3026, 0.3931



23.2749, 0.2639, 0.3569

Triad

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



23.2749, 0.3026, 0.3931



23.2749, 0.2460, 0.2614



23.2749, 0.3920, 0.3356

Complementary

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



23.2749, 0.3026, 0.3931



17.0117, 0.3249, 0.2724

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.



23.2749, 0.3615, 0.3017



23.2749, 0.3026, 0.3931



23.2749, 0.2762, 0.2604

Square

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



23.2749, 0.3026, 0.3931



23.2749, 0.2330, 0.2797



23.2749, 0.3183, 0.2750



23.2749, 0.3992, 0.3701

Rectangle

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



23.2749, 0.3026, 0.3931



23.2749, 0.2455, 0.3280



23.2749, 0.3183, 0.2750



23.2749, 0.3841, 0.3239

Sweetspot

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



23.2759, 0.3026, 0.3931



45.4986, 0.3098, 0.3455



25.4833, 0.3459, 0.3986



10.0850, 0.3093, 0.3484



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.2759, 0.3026, 0.3931



39.8601, 0.3004, 0.4109



23.7481, 0.2847, 0.3540



6.0438, 0.3094, 0.3477



17.4339, 0.2947, 0.5808



0.1690, 0.2776, 0.5192

Inverse Universe

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



17.0117, 0.3249, 0.2724



26.8650, 0.3283, 0.2591



16.5077, 0.3520, 0.3054



5.4951, 0.3162, 0.3110



6.3243, 0.3691, 0.1807



0.0632, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 23.2749, 0.3026, 0.3931 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 23.2749, 0.3026, 0.3931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

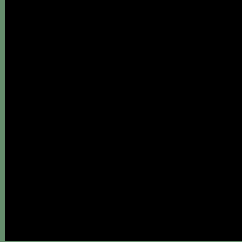
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2749, 0.3026, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 23.2749, 0.3026, 0.3931.



This preview shows how white text looks on a background with the Yxy color 23.2749, 0.3026, 0.3931.

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

23.2749, 0.3026, 0.3931

Protanopia

23.1647, 0.3544, 0.3778

Deuteranopia

23.0240, 0.3608, 0.3541



Tritanopia

23.2806, 0.2735, 0.3092

Trichromacy



Original Color

23.2749, 0.3026, 0.3931

Protanomaly

23.1610, 0.3339, 0.3837

Deuteranomaly

22.7186, 0.3380, 0.3665

Tritanomaly

23.2506, 0.2834, 0.3382

Monochromacy



Original Color

23.2749, 0.3026, 0.3931

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6405, 0.3083, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2749, 0.3026, 0.3931 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, 142, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 142, 109)  
}
```

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, 142, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 142, 109) }
```

Border

The CSS property to change the border of an element to Yxy 23.2749, 0.3026, 0.3931 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, 142, 109) }
```

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

```
.border{ border-color:rgb(102, 142, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 142, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 142, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 142, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 142,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2749, 0.3026, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 142, 109) }
```

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

```
.background{ background-color: rgb(102,  
142, 109) }
```

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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