

Converting Colors

$Y_{xy}(22.7851, 0.3026, 0.3590)$

Have a look what the booklet for
Yxy(22.7851, 0.3026, 0.3590)
contains.

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Color

$Y_{xy}(22.7825, 0.3026, 0.3590)$

Conversions

Conversions Part 1

Format	Color
Hex	718979
RGB	113, 137, 121
RGB Percent	44%, 54%, 47%
CMY	0.5570, 0.4627, 0.5255
CMYK	0.18, 0.00, 0.12, 0.46
HSL	140°, 10%, 49%
HSV	140°, 18%, 54%
XYZ	19.2033, 22.7825, 21.4752
YIQ	128.0000, -9.1680, -10.0640

Conversions

Conversions Part 2

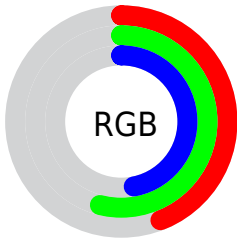
Format	Color
RYB	113, 131, 137
Decimal	7440761
CIELab	54.85, -11.98, 5.73
CIELCh	55, 13.285, 154.438
Yxy	22.7825, 0.3026, 0.3590
Android (android.graphics.Color)	4285630841 (0xFF718979)
YUV	128.0000, -3.4510, -13.1550
Hunter-Lab	47.7310, -11.7146, 6.7359

Details

The Yxy color **22.7825, 0.3026, 0.3590** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.7054, 0.3245, 0.3008**, and the grayscale version is **21.5992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8434, 0.3052, 0.3520**, and **8.4212, 0.2981, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **21.7293, 0.2971, 0.3788**, and if you desaturate by 10%, it is **23.9959, 0.3083, 0.3412**.

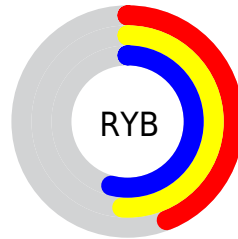
Distribution



Red (44%)

Green (54%)

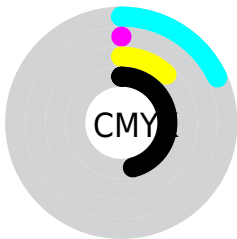
Blue (47%)



Red (44%)

Yellow (51%)

Blue (54%)

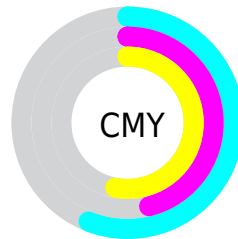


Cyan (18%)

Magenta (0%)

Yellow (12%)

Black (46%)



Cyan (56%)

Magenta (46%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7825, 0.3026, 0.3590 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 22.7825, 0.3026, 0.3590 by changing the saturation by 10% instead.

■ 22.7825, 0.3026,
0.3590

■ 22.7825, 0.3026,
0.3590

266.6059, 0.3084,
0.3419

■ 14.4330, 0.3008,
0.3642

■ 48.0359, 0.3049,
0.3522

■ 8.4224, 0.2983,
0.3715

■ 65.7087, 0.3057,
0.3498

■ 4.3664, 0.2944,
0.3827

■ 87.2579, 0.3064,
0.3479

■ 1.8806, 0.2876,
0.4017

■ 113.0681, 0.3069,
0.3463

■ 0.5367, 0.2320,
0.5723

143.5236, 0.3074,
0.3449

■ 0.0000, 0.0000,
0.0000

179.0088, 0.3078,

0.3438

219.9081, 0.3081,
0.3428

■ 22.7825, 0.3026,
0.3590

■ 22.7825, 0.3026,
0.3590

■ 21.7293, 0.2971,
0.3788

■ 23.9959, 0.3083,
0.3412

■ 20.8268, 0.2920,
0.4005

■ 25.3731, 0.3141,
0.3253

■ 20.0687, 0.2875,
0.4239

■ 26.9208, 0.3198,
0.3113

■ 19.4473, 0.2841,
0.4484

■ 28.6449, 0.3253,
0.2989

■ 18.9539, 0.2820,
0.4734

■ 30.5505, 0.3306,
0.2882

■ 18.5789, 0.2814,
0.4980

■ 32.6431, 0.3356,
0.2787

■ 18.3114, 0.2824,
0.5211

■ 34.9273, 0.3404,
0.2705

■ 18.1301, 0.2847,
0.5420

■ 37.4082, 0.3448,
0.2634

■ 18.0905, 0.2852,
0.5468

■ 40.0901, 0.3490,
0.2571

Harmonies

Analogous

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



22.7825, 0.3263, 0.3699



22.7825, 0.3026, 0.3590



22.7825, 0.2822, 0.3391

Triad

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



22.7825, 0.3026, 0.3590



22.7825, 0.2789, 0.2905



22.7825, 0.3573, 0.3382

Complementary

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



22.7825, 0.3026, 0.3590



18.7054, 0.3245, 0.3008

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.



22.7825, 0.3437, 0.3184



22.7825, 0.3026, 0.3590



22.7825, 0.2980, 0.2914

Square

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



22.7825, 0.3026, 0.3590



22.7825, 0.2689, 0.2994



22.7825, 0.3217, 0.3015



22.7825, 0.3584, 0.3567

Rectangle

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



22.7825, 0.3026, 0.3590



22.7825, 0.2730, 0.3242



22.7825, 0.3217, 0.3015



22.7825, 0.3541, 0.3315

Sweetspot

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



22.7835, 0.3026, 0.3590



43.5390, 0.3098, 0.3371



23.7529, 0.3287, 0.3722



9.7332, 0.3094, 0.3381



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.7835, 0.3026, 0.3590



40.0222, 0.3004, 0.3665



23.0965, 0.2910, 0.3363



5.6340, 0.3074, 0.3439



16.8501, 0.2851, 0.5462



0.1144, 0.2622, 0.4637

Inverse Universe

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



18.7054, 0.3245, 0.3008



31.3304, 0.3276, 0.2942



18.4048, 0.3398, 0.3219



5.1010, 0.3184, 0.3146



5.6630, 0.4243, 0.2111



0.0403, 0.3685, 0.1804

Previews

White Background



This preview shows how the Yxy color 22.7825, 0.3026, 0.3590 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 22.7825, 0.3026, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

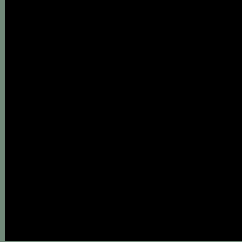
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

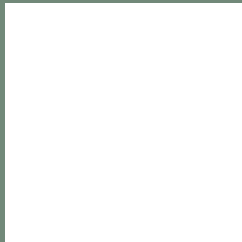
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7825, 0.3026, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 22.7825, 0.3026, 0.3590.



This preview shows how white text looks on a background with the Yxy color 22.7825, 0.3026, 0.3590.

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

22.7825, 0.3026, 0.3590

Protanopia

22.7748, 0.3328, 0.3519

Deuteranopia

22.5548, 0.3418, 0.3341



Tritanopia

22.8457, 0.2845, 0.3111

Trichromacy



Original Color

22.7825, 0.3026, 0.3590

Protanomaly

22.6962, 0.3219, 0.3543

Deuteranomaly

22.5213, 0.3274, 0.3431

Tritanomaly

22.8185, 0.2912, 0.3271

Monochromacy



Original Color

22.7825, 0.3026, 0.3590

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9242, 0.3099, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7825, 0.3026, 0.3590 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(113, 137, 121)` looks like.

```
.text, #text, p{  
    color:rgb(113, 137, 121)  
}
```

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(113, 137, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 137, 121) }
```

Border

The CSS property to change the border of an element to Yxy 22.7825, 0.3026, 0.3590 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(113, 137, 121) }
```

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

```
.border{ border-color:rgb(113, 137, 121) }
```

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

Here you see how a box with a 4 pixel rgb(113, 137, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 137, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 137, 121);  
box-shadow:4px 4px 4px 4px rgb(113, 137,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7825, 0.3026, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 137, 121) }
```

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

```
.background{ background-color: rgb(113,  
137, 121) }
```

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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