

Converting Colors

$Y_{xy}(22.6753, 0.2695, 0.3222)$

Have a look what the booklet for
Yxy(22.6753, 0.2695, 0.3222)
contains.

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Color

$\text{Yxy}(22.6967, 0.2697, 0.3233)$

Conversions

Conversions Part 1

Format	Color
Hex	628A8D
RGB	98, 138, 141
RGB Percent	38%, 54%, 55%
CMY	0.6156, 0.4588, 0.4472
CMYK	0.30, 0.02, 0.00, 0.45
HSL	184°, 18%, 47%
HSV	184°, 30%, 55%
XYZ	18.9338, 22.6967, 28.5727
YIQ	126.3820, -24.8030, -7.5470

Conversions

Conversions Part 2

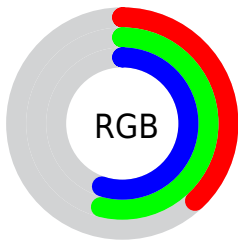
Format	Color
R_{YB}	98, 119, 141
Decimal	6457997
CIE _{Lab}	54.76, -12.98, -6.05
CIE _{LCh}	55, 14.319, 204.979
Yxy	22.6967, 0.2697, 0.3233
Android (android.graphics.Color)	4284648077 (0xFF628A8D)
YUV	126.3820, 7.2067, -24.8910
Hunter-Lab	47.6411, -12.4312, -2.2104

Details

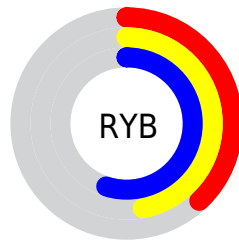
The Yxy color **22.6967, 0.2697, 0.3233** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8512, 0.3766, 0.3346**, and the grayscale version is **20.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1234, 0.2786, 0.3248**, and **8.3877, 0.2536, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **21.7019, 0.2576, 0.3212**, and if you desaturate by 10%, it is **23.8340, 0.2830, 0.3253**.

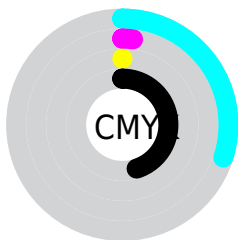
Distribution



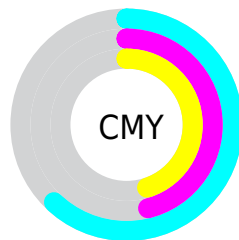
- Red (38%)
- Green (54%)
- Blue (55%)



- Red (38%)
- Yellow (47%)
- Blue (55%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (45%)



- Cyan (62%)
- Magenta (46%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6967, 0.2697, 0.3233 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 22.6967, 0.2697, 0.3233 by changing the saturation by 10% instead.


 22.6967, 0.2697,
0.3233

 22.6967, 0.2697,
0.3233


266.1633, 0.2935,
0.3268


 14.3697, 0.2629,
0.3221


 47.8948, 0.2790,
0.3248

 8.3783, 0.2534,
0.3203


 65.5348, 0.2823,
0.3253

 4.3379, 0.2397,
0.3175

 87.0478, 0.2850,
0.3257

 1.8643, 0.2178,
0.3122

 112.8183, 0.2872,
0.3260

 0.5268, 0.1077,
0.3085

143.2308, 0.2892,
0.3263

 0.0000, 0.0000,
0.0000

178.6695, 0.2908,

0.3265

219.5189, 0.2922,
0.3267

■ 22.6967, 0.2697,
0.3233

■ 22.6967, 0.2697,
0.3233

■ 21.7019, 0.2576,
0.3212

■ 23.8340, 0.2830,
0.3253

■ 20.8396, 0.2469,
0.3190

■ 25.1177, 0.2972,
0.3272

■ 20.1028, 0.2378,
0.3167

■ 26.5552, 0.3120,
0.3289

■ 19.4828, 0.2305,
0.3144

■ 28.1522, 0.3272,
0.3305

■ 18.9695, 0.2250,
0.3121

■ 29.9144, 0.3425,
0.3319

■ 18.5515, 0.2213,
0.3098

■ 31.8470, 0.3578,
0.3332

■ 18.2106, 0.2188,
0.3077

■ 33.9553, 0.3728,
0.3343

■ 36.2441, 0.3873,
0.3353

■ 38.7180, 0.4014,
0.3362

Harmonies

Analogous

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



22.6967, 0.2860, 0.3474



22.6967, 0.2697, 0.3233



22.6967, 0.2646, 0.3021

Triad

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



22.6967, 0.2697, 0.3233



22.6967, 0.3141, 0.2951



22.6967, 0.3548, 0.3687

Complementary

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



22.6967, 0.2697, 0.3233



15.8512, 0.3766, 0.3346

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.



22.6967, 0.3633, 0.3529



22.6967, 0.2697, 0.3233



22.6967, 0.3393, 0.3112

Square

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



22.6967, 0.2697, 0.3233



22.6967, 0.2895, 0.2871



22.6967, 0.3576, 0.3320



22.6967, 0.3350, 0.3743

Rectangle

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



22.6967, 0.2697, 0.3233



22.6967, 0.2680, 0.2925



22.6967, 0.3576, 0.3320



22.6967, 0.3591, 0.3644

Sweetspot

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



22.6976, 0.2697, 0.3233



45.3102, 0.2990, 0.3274



22.5785, 0.3061, 0.4088



10.0490, 0.2971, 0.3272



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.



22.6976, 0.2697, 0.3233



39.3313, 0.2607, 0.3218



17.1592, 0.2651, 0.2814



6.0532, 0.2990, 0.3274



16.6201, 0.2188, 0.3078



0.1713, 0.2220, 0.3191

Inverse Universe

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



16.2362, 0.3200, 0.2606



25.8057, 0.3220, 0.2444



20.5520, 0.3657, 0.3723



5.5047, 0.3147, 0.3088



6.6641, 0.3386, 0.1639



0.0650, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 22.6967, 0.2697, 0.3233 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 22.6967, 0.2697, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

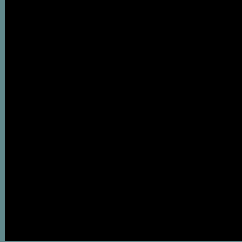
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

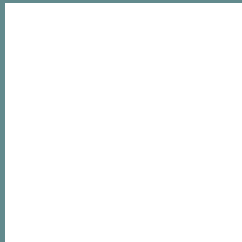
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6967, 0.2697, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 22.6967, 0.2697, 0.3233.



This preview shows how white text looks on a background with the Yxy color 22.6967, 0.2697, 0.3233.

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

22.6967, 0.2697, 0.3233

Protanopia

22.5681, 0.3075, 0.3185

Deuteranopia

22.4803, 0.3070, 0.3019



Tritanopia

22.7388, 0.2654, 0.3087

Trichromacy



Original Color

22.6967, 0.2697, 0.3233

Protanomaly

22.5320, 0.2923, 0.3199

Deuteranomaly

22.3965, 0.2925, 0.3095

Tritanomaly

22.5883, 0.2670, 0.3140

Monochromacy



Original Color

22.6967, 0.2697, 0.3233

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3170, 0.2959, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6967, 0.2697, 0.3233 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(98, 138, 141)` looks like.

```
.text, #text, p{  
    color:rgb(98, 138, 141)  
}
```

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(98, 138, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 138, 141) }
```

Border

The CSS property to change the border of an element to Yxy 22.6967, 0.2697, 0.3233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

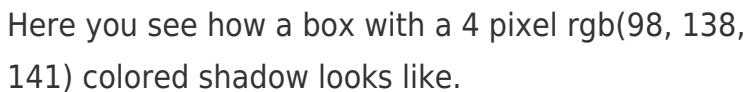
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 138, 141) }
```

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

```
.border{ border-color:rgb(98, 138, 141) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 138, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 138, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 138, 141);  
box-shadow:4px 4px 4px 4px rgb(98, 138,  
141) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.6967, 0.2697, 0.3233$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 138, 141) }
```

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

```
.background{ background-color: rgb(98, 138,  
141) }
```

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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