

Converting Colors

$Y_{xy}(22.7112, 0.2571, 0.2979)$

Have a look what the booklet for
Yxy(22.7112, 0.2571, 0.2979)
contains.

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Color

$\text{Yxy}(22.7112, 0.2571, 0.2979)$

Conversions

Conversions Part 1

Format	Color
Hex	60899A
RGB	96, 137, 154
RGB Percent	38%, 54%, 60%
CMY	0.6236, 0.4627, 0.3960
CMYK	0.38, 0.11, 0.00, 0.40
HSL	198°, 23%, 49%
HSV	198°, 38%, 60%
XYZ	19.6007, 22.7112, 33.9258
YIQ	126.6790, -29.8930, -3.4050

Conversions

Conversions Part 2

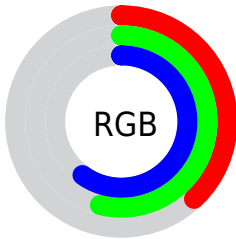
Format	Color
R_{YB}	96, 120, 154
Decimal	6326682
CIE _{Lab}	54.77, -9.66, -13.56
CIE _{LCh}	55, 16.650, 234.554
Yxy	22.7112, 0.2571, 0.2979
Android (android.graphics.Color)	4284516762 (0xFF60899A)
YUV	126.6790, 13.4693, -26.9055
Hunter-Lab	47.6563, -9.9826, -8.8482

Details

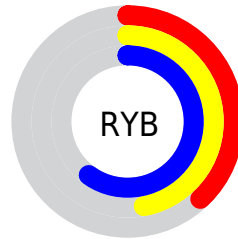
The Yxy color **22.7112, 0.2571, 0.2979** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.5203, 0.3911, 0.3577**, and the grayscale version is **21.0673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7705, 0.2694, 0.3050**, and **8.3536, 0.2362, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **20.7010, 0.2437, 0.2881**, and if you desaturate by 10%, it is **24.9405, 0.2714, 0.3071**.

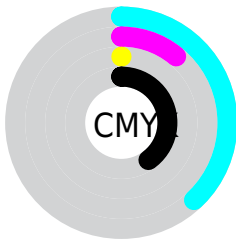
Distribution



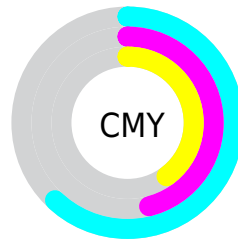
- Red (38%)
- Green (54%)
- Blue (60%)



- Red (38%)
- Yellow (47%)
- Blue (60%)



- Cyan (38%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)



- Cyan (62%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7112, 0.2571, 0.2979 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 22.7112, 0.2571, 0.2979 by changing the saturation by 10% instead.

■ 22.7112, 0.2571,
0.2979

■ 22.7112, 0.2571,
0.2979

■ 266.2382, 0.2877,
0.3157

■ 14.3804, 0.2484,
0.2926

■ 47.9187, 0.2689,
0.3050

■ 8.3857, 0.2367,
0.2851

■ 65.5642, 0.2731,
0.3074

■ 4.3427, 0.2197,
0.2739

■ 87.0833, 0.2766,
0.3094

■ 1.8671, 0.1936,
0.2555

■ 112.8606, 0.2795,
0.3111

■ 0.5285, 0.1095,
0.2171

■ 143.2803, 0.2820,
0.3125

■ 0.0000, 0.0000,
0.0000

178.7268, 0.2842,

0.3137

219.5847, 0.2860,
0.3148

■ 22.7112, 0.2571,
0.2979

■ 22.7112, 0.2571,
0.2979

■ 20.7010, 0.2437,
0.2881

■ 24.9405, 0.2714,
0.3071

■ 18.8970, 0.2314,
0.2778

■ 27.3956, 0.2862,
0.3157

■ 17.2887, 0.2206,
0.2671

■ 30.0863, 0.3012,
0.3235

■ 15.8636, 0.2116,
0.2562

■ 33.0208, 0.3162,
0.3306

■ 14.6072, 0.2044,
0.2454

■ 36.2070, 0.3309,
0.3369

■ 13.4942, 0.1990,
0.2346

■ 39.6523, 0.3452,
0.3426

■ 13.2468, 0.1978,
0.2321

■ 43.3638, 0.3591,
0.3476

■ 47.3484, 0.3723,
0.3521

■ 51.6124, 0.3848,
0.3559

Harmonies

Analogous

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



22.7112, 0.2631, 0.3225



22.7112, 0.2571, 0.2979



22.7112, 0.2650, 0.2832

Triad

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



22.7112, 0.2571, 0.2979



22.7112, 0.3432, 0.3081



22.7112, 0.3388, 0.3818

Complementary

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



22.7112, 0.2571, 0.2979



19.5203, 0.3911, 0.3577

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.



22.7112, 0.3618, 0.3748



22.7112, 0.2571, 0.2979



22.7112, 0.3648, 0.3319

Square

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



22.7112, 0.2571, 0.2979



22.7112, 0.3138, 0.2897



22.7112, 0.3716, 0.3561



22.7112, 0.3095, 0.3732

Rectangle

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



22.7112, 0.2571, 0.2979



22.7112, 0.2774, 0.2801



22.7112, 0.3716, 0.3561



22.7112, 0.3475, 0.3811

Sweetspot

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



22.7121, 0.2571, 0.2979



52.8680, 0.2959, 0.3208



26.7787, 0.2941, 0.4075



11.8273, 0.2940, 0.3198



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.7121, 0.2571, 0.2979



38.2223, 0.2460, 0.2899



15.6604, 0.2493, 0.2428



6.7207, 0.2989, 0.3223



10.8550, 0.1980, 0.2329



0.2241, 0.2112, 0.2802

Inverse Universe

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



17.0386, 0.3396, 0.2627



26.8956, 0.3475, 0.2486



26.8932, 0.3744, 0.4023



6.2928, 0.3179, 0.3134



6.5011, 0.4096, 0.2030



0.1034, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 22.7112, 0.2571, 0.2979 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 22.7112, 0.2571, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

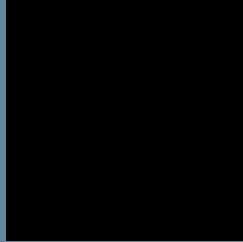
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

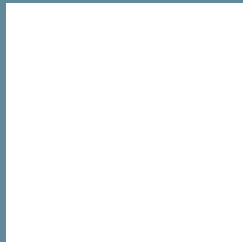
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7112, 0.2571, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 22.7112, 0.2571, 0.2979.



This preview shows how white text looks on a background with the Yxy color 22.7112, 0.2571, 0.2979.

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

22.7112, 0.2571, 0.2979

Protanopia

22.6472, 0.2899, 0.2963

Deuteranopia

22.6639, 0.2872, 0.2820



Tritanopia

22.7798, 0.2605, 0.3085

Trichromacy



Original Color

22.7112, 0.2571, 0.2979

Protanomaly

22.7224, 0.2770, 0.2972

Deuteranomaly

22.4507, 0.2751, 0.2872

Tritanomaly

22.8442, 0.2589, 0.3050

Monochromacy



Original Color

22.7112, 0.2571, 0.2979

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.7517, 0.2899, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7112, 0.2571, 0.2979 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(96, 137, 154) looks like.

```
.text, #text, p{  
    color:rgb(96, 137, 154)  
}
```

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(96, 137, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 137, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.7112, 0.2571, 0.2979 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(96, 137, 154) }
```

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

```
.border{ border-color:rgb(96, 137, 154) }
```

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

Here you see how a box with a 4 pixel rgb(96, 137, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 137, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 137, 154);  
box-shadow:4px 4px 4px 4px rgb(96, 137,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7112, 0.2571, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 137, 154) }
```

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

```
.background{ background-color: rgb(96, 137,  
154) }
```

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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