

Converting Colors

$Y_{xy}(22.3293, 0.2503, 0.2975)$

Have a look what the booklet for
Yxy(22.3293, 0.2503, 0.2975)
contains.

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Color

$Y_{xy}(22.2507, 0.2500, 0.2973)$

Conversions

Conversions Part 1

Format	Color
Hex	57899A
RGB	87, 137, 154
RGB Percent	34%, 54%, 60%
CMY	0.6587, 0.4628, 0.3961
CMYK	0.43, 0.11, 0.00, 0.40
HSL	195°, 28%, 47%
HSV	195°, 43%, 60%
XYZ	18.7106, 22.2507, 33.8812
YIQ	123.9880, -35.2570, -5.3130

Conversions

Conversions Part 2

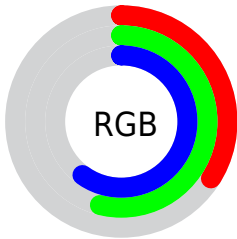
Format	Color
R_{YB}	87, 116, 154
Decimal	5736858
CIE _{Lab}	54.29, -12.12, -14.34
CIE _{LCh}	54, 18.773, 229.784
Yxy	22.2507, 0.2500, 0.2973
Android (android.graphics.Color)	4283926938 (0xFF57899A)
YUV	123.9880, 14.7959, -32.4385
Hunter-Lab	47.1706, -11.7451, -9.5667

Details

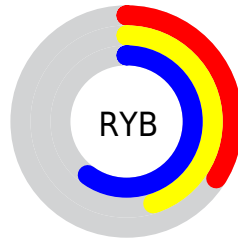
The Yxy color **22.2507, 0.2500, 0.2973** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4656, 0.4098, 0.3579**, and the grayscale version is **20.1126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9564, 0.2634, 0.3046**, and **8.1357, 0.2270, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **20.4959, 0.2377, 0.2886**, and if you desaturate by 10%, it is **24.2057, 0.2635, 0.3055**.

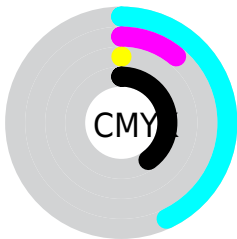
Distribution



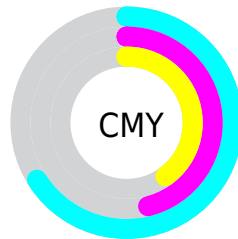
- Red (34%)
- Green (54%)
- Blue (60%)



- Red (34%)
- Yellow (45%)
- Blue (60%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)



- Cyan (66%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2507, 0.2500, 0.2973 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 22.2507, 0.2500, 0.2973 by changing the saturation by 10% instead.

■ 22.2507, 0.2500,
0.2973

■ 22.2507, 0.2500,
0.2973

■ 263.8527, 0.2845,
0.3156

■ 14.0412, 0.2403,
0.2917

■ 47.1600, 0.2633,
0.3046

■ 8.1493, 0.2270,
0.2839

■ 64.6286, 0.2681,
0.3072

■ 4.1907, 0.2081,
0.2720

■ 85.9524, 0.2720,
0.3092

■ 1.7808, 0.1790,
0.2523

■ 111.5158, 0.2753,
0.3110

■ 0.4752, 0.0688,
0.2099

■ 141.7031, 0.2781,
0.3124

■ 0.0000, 0.0000,
0.0000

176.8987, 0.2805,

0.3136

217.4871, 0.2826,
0.3147

■ 22.2507, 0.2500,
0.2973

■ 22.2507, 0.2500,
0.2973

■ 20.4959, 0.2377,
0.2886

■ 24.2057, 0.2635,
0.3055

■ 18.9281, 0.2268,
0.2796

■ 26.3679, 0.2777,
0.3132

■ 17.5364, 0.2175,
0.2704

■ 28.7472, 0.2925,
0.3204

■ 16.3074, 0.2101,
0.2611

■ 31.3519, 0.3075,
0.3269

■ 15.2253, 0.2046,
0.2518

■ 34.1899, 0.3224,
0.3328

■ 14.5727, 0.2016,
0.2458

■ 37.2686, 0.3372,
0.3380

■ 40.5951, 0.3515,
0.3427

■ 44.1762, 0.3654,
0.3469

■ 48.0184, 0.3786,
0.3505

Harmonies

Analogous

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



22.2507, 0.2591, 0.3265



22.2507, 0.2500, 0.2973



22.2507, 0.2564, 0.2789

Triad

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



22.2507, 0.2500, 0.2973



22.2507, 0.3423, 0.3015



22.2507, 0.3470, 0.3890

Complementary

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



22.2507, 0.2500, 0.2973



17.4656, 0.4098, 0.3579

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.



22.2507, 0.3713, 0.3781



22.2507, 0.2500, 0.2973



22.2507, 0.3690, 0.3275

Square

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



22.2507, 0.2500, 0.2973



22.2507, 0.3083, 0.2824



22.2507, 0.3797, 0.3552



22.2507, 0.3142, 0.3823

Rectangle

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



22.2507, 0.2500, 0.2973



22.2507, 0.2688, 0.2741



22.2507, 0.3797, 0.3552



22.2507, 0.3564, 0.3871

Sweetspot

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



22.2516, 0.2500, 0.2973



52.3237, 0.2928, 0.3205



26.1344, 0.2935, 0.4267



11.6311, 0.2897, 0.3191



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.



22.2516, 0.2500, 0.2973



37.3663, 0.2382, 0.2890



14.2152, 0.2391, 0.2313



6.7609, 0.2989, 0.3232



11.9313, 0.2018, 0.2465



0.2349, 0.2131, 0.2873

Inverse Universe

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



15.4971, 0.3412, 0.2488



24.0627, 0.3497, 0.2326



25.5238, 0.3861, 0.4101



6.2968, 0.3174, 0.3125



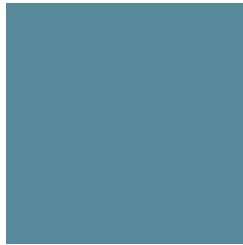
6.6098, 0.3957, 0.1953



0.1045, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 22.2507, 0.2500, 0.2973 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 22.2507, 0.2500, 0.2973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

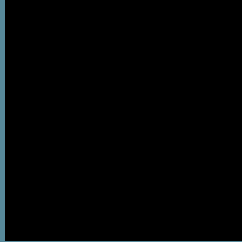
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2507, 0.2500, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 22.2507, 0.2500, 0.2973.



This preview shows how white text looks on a background with the Yxy color 22.2507, 0.2500, 0.2973.

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

22.2507, 0.2500, 0.2973

Protanopia

22.0121, 0.2897, 0.2943

Deuteranopia

21.9112, 0.2839, 0.2781



Tritanopia

22.3253, 0.2533, 0.3081

Trichromacy



Original Color

22.2507, 0.2500, 0.2973

Protanomaly

21.8794, 0.2737, 0.2949

Deuteranomaly

21.8425, 0.2700, 0.2848

Tritanomaly

22.3898, 0.2518, 0.3045

Monochromacy



Original Color

22.2507, 0.2500, 0.2973

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8293, 0.2864, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2507, 0.2500, 0.2973 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(87, 137, 154)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 137, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 137, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.2507, 0.2500, 0.2973 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(87, 137, 154) }
```

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

```
.border{ border-color:rgb(87, 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(87, 137, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 137, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 137, 154);  
box-shadow:4px 4px 4px 4px rgb(87, 137,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2507, 0.2500, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 137, 154) }
```

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

```
.background{ background-color: rgb(87, 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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