

Converting Colors

$Y_{xy}(24.9783, 0.2558, 0.2873)$

Have a look what the booklet for
Yxy(24.9783, 0.2558, 0.2873)
contains.

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Color

Yxy(25.0422, 0.2558, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	688EA6
RGB	104, 142, 166
RGB Percent	41%, 56%, 65%
CMY	0.5921, 0.4431, 0.3490
CMYK	0.37, 0.14, 0.00, 0.35
HSL	203°, 26%, 53%
HSV	203°, 37%, 65%
XYZ	22.2655, 25.0422, 39.7350
YIQ	133.3740, -30.3520, -0.5920

Conversions

Conversions Part 2

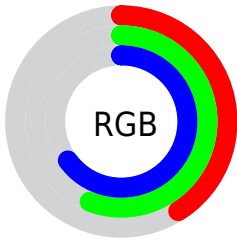
Format	Color
RYB	104, 128, 166
Decimal	6852262
CIELab	57.12, -6.93, -16.86
CIElCh	57, 18.229, 247.649
Yxy	25.0422, 0.2558, 0.2877
Android (android.graphics.Color)	4285042342 (0xFF688EA6)
YUV	133.3740, 16.0846, -25.7610
Hunter-Lab	50.0422, -8.1529, -12.0485

Details

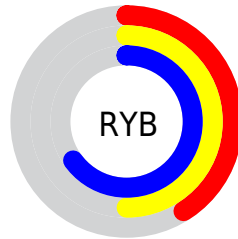
The Yxy color $25.0422, 0.2558, 0.2877$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $24.5476, 0.3875, 0.3666$, and the grayscale version is $23.5487, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.8684, 0.2676, 0.2972$, and $9.6261, 0.2361, 0.2727$ is the 20% darker color. If you saturate the color by 10%, you get $22.2879, 0.2412, 0.2744$, and if you desaturate by 10%, it is $28.1043, 0.2709, 0.3001$.

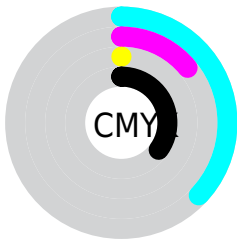
Distribution



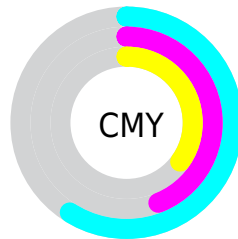
- Red (41%)
- Green (56%)
- Blue (65%)



- Red (41%)
- Yellow (50%)
- Blue (65%)



- Cyan (37%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)



- Cyan (59%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0422, 0.2558, 0.2877 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 25.0422, 0.2558, 0.2877 by changing the saturation by 10% instead.

■ 25.0422, 0.2558,
0.2877

■ 25.0422, 0.2558,
0.2877

■ 278.0480, 0.2866,
0.3106

■ 16.1085, 0.2473,
0.2811

■ 51.7257, 0.2676,
0.2966

■ 9.6010, 0.2359,
0.2722

■ 70.2442, 0.2718,
0.2998

■ 5.1352, 0.2198,
0.2592

■ 92.7265, 0.2753,
0.3024

■ 2.3268, 0.1956,
0.2390

■ 119.5570, 0.2783,
0.3046

■ 0.7878, 0.1505,
0.2046

■ 151.1200, 0.2808,
0.3064

■ 0.0000, 0.0000,
0.0000

187.7999, 0.2830,

0.3080

229.9811, 0.2849,
0.3094

■ 25.0422, 0.2558,
0.2877

■ 25.0422, 0.2558,
0.2877

■ 22.2879, 0.2412,
0.2744

■ 28.1043, 0.2709,
0.3001

■ 19.8251, 0.2277,
0.2603

■ 31.4836, 0.2863,
0.3116

■ 17.6401, 0.2155,
0.2458

■ 35.1926, 0.3016,
0.3220

■ 15.7167, 0.2050,
0.2310

■ 39.2424, 0.3167,
0.3314

■ 14.0361, 0.1965,
0.2163

■ 43.6432, 0.3312,
0.3398

■ 12.5701, 0.1900,
0.2018

■ 48.4049, 0.3451,
0.3472

■ 12.2033, 0.1883,
0.1980

■ 53.5368, 0.3584,
0.3538

■ 59.0481, 0.3709,
0.3596

■ 64.9474, 0.3826,
0.3646

Harmonies

Analogous

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



25.0422, 0.2557, 0.3097



25.0422, 0.2558, 0.2877



25.0422, 0.2702, 0.2778

Triad

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



25.0422, 0.2558, 0.2877



25.0422, 0.3566, 0.3174



25.0422, 0.3270, 0.3832

Complementary

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



25.0422, 0.2558, 0.2877



24.5476, 0.3875, 0.3666

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.



25.0422, 0.3554, 0.3827



25.0422, 0.2558, 0.2877



25.0422, 0.3733, 0.3434

Square

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



25.0422, 0.2558, 0.2877



25.0422, 0.3278, 0.2950



25.0422, 0.3727, 0.3673



25.0422, 0.2958, 0.3670

Rectangle

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



25.0422, 0.2558, 0.2877



25.0422, 0.2865, 0.2784



25.0422, 0.3727, 0.3673



25.0422, 0.3372, 0.3850

Sweetspot

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



25.0432, 0.2558, 0.2877



61.1998, 0.2958, 0.3181



31.7681, 0.2895, 0.3959



13.4994, 0.2938, 0.3168



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



25.0432, 0.2558, 0.2877



41.1694, 0.2434, 0.2764



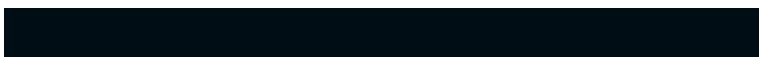
17.1194, 0.2479, 0.2318



8.0370, 0.2987, 0.3201



9.5559, 0.1887, 0.1993



0.3272, 0.2020, 0.2471

Inverse Universe

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



19.9631, 0.3472, 0.2712



31.2119, 0.3582, 0.2582



33.8225, 0.3711, 0.4104



7.6167, 0.3194, 0.3153



7.0357, 0.4461, 0.2231



0.1807, 0.3952, 0.1950

Previews

White Background



This preview shows how the Yxy color 25.0422, 0.2558, 0.2877 looks on a white background.

Color Contrast Check

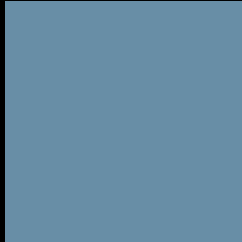
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0422, 0.2558, 0.2877 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 25.0422, 0.2558, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 25.0422, 0.2558, 0.2877.



This preview shows how white text looks on a background with the Yxy color 25.0422, 0.2558, 0.2877.

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

25.0422, 0.2558, 0.2877

Protanopia

24.7619, 0.2822, 0.2847

Deuteranopia

24.9457, 0.2797, 0.2745



Tritanopia

25.0798, 0.2622, 0.3094

Trichromacy



Original Color

25.0422, 0.2558, 0.2877

Protanomaly

24.8862, 0.2721, 0.2871

Deuteranomaly

24.8923, 0.2704, 0.2795

Tritanomaly

24.9729, 0.2597, 0.3008

Monochromacy



Original Color

25.0422, 0.2558, 0.2877

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.7902, 0.2889, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0422, 0.2558, 0.2877 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(104, 142, 166)` looks like.

```
.text, #text, p{  
    color:rgb(104, 142, 166)  
}
```

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(104, 142, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 142, 166) }
```

Border

The CSS property to change the border of an element to Yxy 25.0422, 0.2558, 0.2877 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(104, 142, 166) }
```

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

```
.border{ border-color:rgb(104, 142, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 142, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 142, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 142, 166);  
box-shadow:4px 4px 4px 4px rgb(104, 142,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0422, 0.2558, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 142, 166) }
```

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

```
.background{ background-color: rgb(104,  
142, 166) }
```

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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