

Converting Colors

$Y_{xy}(25.9012, 0.2506, 0.2695)$

Have a look what the booklet for
Yxy(25.9012, 0.2506, 0.2695)
contains.

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Color

Yxy(25.8519, 0.2503, 0.2684)

Conversions

Conversions Part 1

Format	Color
Hex	6D8EB3
RGB	109, 142, 179
RGB Percent	43%, 56%, 70%
CMY	0.5728, 0.4431, 0.2981
CMYK	0.39, 0.21, 0.00, 0.30
HSL	212°, 32%, 56%
HSV	212°, 39%, 70%
XYZ	24.1085, 25.8519, 46.3581
YIQ	136.3510, -31.5450, 4.5110

Conversions

Conversions Part 2

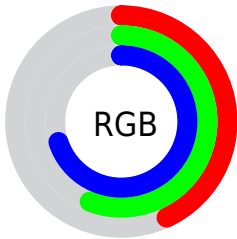
Format	Color
R _Y B	109, 131, 179
Decimal	7179955
CIE Lab	57.90, -2.01, -23.05
CIE LCh	58, 23.140, 265.009
Yxy	25.8519, 0.2503, 0.2684
Android (android.graphics.Color)	4285370035 (0xFF6D8EB3)
YUV	136.3510, 21.0260, -23.9868
Hunter-Lab	50.8448, -4.3408, -18.4668

Details

The Yxy color **25.8519, 0.2503, 0.2684** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **31.2103, 0.3872, 0.3824**, and the grayscale version is **24.6831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2645, 0.2632, 0.2813**, and **10.0305, 0.2292, 0.2477** is the 20% darker color. If you saturate the color by 10%, you get **22.1390, 0.2342, 0.2495**, and if you desaturate by 10%, it is **30.0361, 0.2667, 0.2861**.

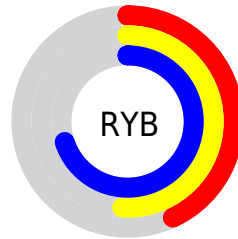
Distribution



Red (43%)

Green (56%)

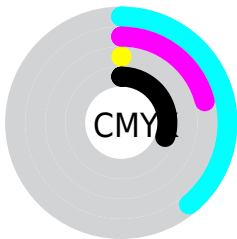
Blue (70%)



Red (43%)

Yellow (51%)

Blue (70%)

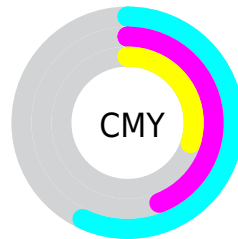


Cyan (39%)

Magenta (21%)

Yellow (0%)

Black (30%)



Cyan (57%)

Magenta (44%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8519, 0.2503, 0.2684 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 25.8519, 0.2503, 0.2684 by changing the saturation by 10% instead.

■ 25.8519, 0.2503,
0.2684

■ 25.8519, 0.2503,
0.2684

■ 282.0543, 0.2838,
0.3012

■ 16.7129, 0.2412,
0.2594

■ 53.0359, 0.2630,
0.2809

■ 10.0300, 0.2290,
0.2474

■ 71.8497, 0.2677,
0.2854

■ 5.4188, 0.2122,
0.2305

■ 94.6572, 0.2715,
0.2892

■ 2.4951, 0.1874,
0.2056

■ 121.8429, 0.2747,
0.2924

■ 0.8742, 0.1484,
0.1660

■ 153.7910, 0.2775,
0.2951

■ 0.0000, 0.0000,
0.0000

190.8860, 0.2799,

0.2974

233.5123, 0.2820,
0.2994

■ 25.8519, 0.2503,
0.2684

■ 25.8519, 0.2503,
0.2684

■ 22.1390, 0.2342,
0.2495

■ 30.0361, 0.2667,
0.2861

■ 18.8743, 0.2189,
0.2296

■ 34.7070, 0.2830,
0.3023

■ 16.0371, 0.2049,
0.2092

■ 39.8833, 0.2988,
0.3169

■ 13.6031, 0.1928,
0.1889

■ 45.5814, 0.3140,
0.3301

■ 11.5450, 0.1830,
0.1692

■ 51.8169, 0.3284,
0.3418

■ 9.8168, 0.1754,
0.1506

■ 58.6048, 0.3418,
0.3521

■ 9.6788, 0.1747,
0.1491

■ 65.9594, 0.3544,
0.3611

■ 73.8945, 0.3660,
0.3691

■ 79.4629, 0.3655,
0.3780

Harmonies

Analogous

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



25.8519, 0.2399, 0.2868



25.8519, 0.2503, 0.2684



25.8519, 0.2768, 0.2659

Triad

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



25.8519, 0.2503, 0.2684



25.8519, 0.3826, 0.3325



25.8519, 0.3072, 0.3886

Complementary

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



25.8519, 0.2503, 0.2684



31.2103, 0.3872, 0.3824

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.



25.8519, 0.3462, 0.3999



25.8519, 0.2503, 0.2684



25.8519, 0.3912, 0.3642

Square

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



25.8519, 0.2503, 0.2684



25.8519, 0.3538, 0.3018



25.8519, 0.3773, 0.3896



25.8519, 0.2713, 0.3576

Rectangle

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



25.8519, 0.2503, 0.2684



25.8519, 0.3011, 0.2726



25.8519, 0.3773, 0.3896



25.8519, 0.3204, 0.3949

Sweetspot

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



25.8529, 0.2503, 0.2684



68.5050, 0.2940, 0.3126



37.5289, 0.2819, 0.3841



14.9106, 0.2920, 0.3107



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



25.8529, 0.2503, 0.2684



40.5050, 0.2363, 0.2521



17.4983, 0.2429, 0.2121



8.8700, 0.2985, 0.3167



6.9692, 0.1753, 0.1511



0.3364, 0.1901, 0.2044

Inverse Universe

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



22.4582, 0.3626, 0.2814



34.4023, 0.3788, 0.2712



42.7797, 0.3693, 0.4248



8.5699, 0.3216, 0.3183



7.2437, 0.5044, 0.2552



0.2397, 0.4404, 0.2200

Previews

White Background



This preview shows how the Yxy color 25.8519, 0.2503, 0.2684 looks on a white background.

Color Contrast Check

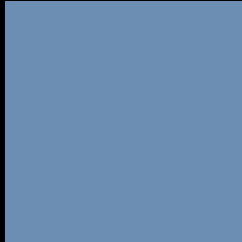
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8519, 0.2503, 0.2684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

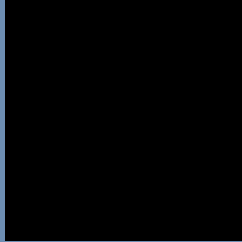
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

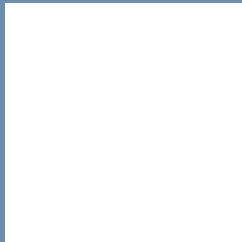
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8519, 0.2503, 0.2684

Background



This preview shows how black text looks on a background with the Yxy color 25.8519, 0.2503, 0.2684.

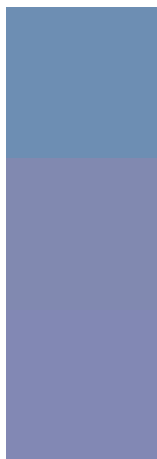


This preview shows how white text looks on a background with the Yxy color 25.8519, 0.2503, 0.2684.

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

25.8519, 0.2503, 0.2684

Protanopia

25.6930, 0.2686, 0.2671

Deuteranopia

25.6494, 0.2661, 0.2600



Tritanopia

25.9100, 0.2620, 0.3079

Trichromacy



Original Color

25.8519, 0.2503, 0.2684

Protanomaly

25.7771, 0.2619, 0.2679

Deuteranomaly

25.6098, 0.2594, 0.2620

Tritanomaly

26.0072, 0.2573, 0.2931

Monochromacy



Original Color

25.8519, 0.2503, 0.2684

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.8796, 0.2866, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8519, 0.2503, 0.2684 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(109, 142, 179)` looks like.

```
.text, #text, p{  
    color:rgb(109, 142, 179)  
}
```

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(109, 142, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 142, 179) }
```

Border

The CSS property to change the border of an element to Yxy 25.8519, 0.2503, 0.2684 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(109, 142, 179) }
```

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

```
.border{ border-color:rgb(109, 142, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 142, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 142, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 142, 179);  
box-shadow:4px 4px 4px 4px rgb(109, 142,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8519, 0.2503, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 142, 179) }
```

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

```
.background{ background-color: rgb(109,  
142, 179) }
```

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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