

Converting Colors

$Y_{xy}(25.5878, 0.2519, 0.2714)$

Have a look what the booklet for
Yxy(25.5878, 0.2519, 0.2714)
contains.

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Color

Yxy(25.7318, 0.2525, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	6D8EB0
RGB	109, 142, 176
RGB Percent	43%, 56%, 69%
CMY	0.5724, 0.4431, 0.3099
CMYK	0.38, 0.19, 0.00, 0.31
HSL	210°, 30%, 56%
HSV	210°, 38%, 69%
XYZ	23.8170, 25.7318, 44.7760
YIQ	136.0090, -30.5820, 3.5780

Conversions

Conversions Part 2

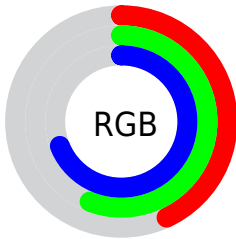
Format	Color
R _Y B	109, 131, 176
Decimal	7179952
CIE Lab	57.78, -2.80, -21.52
CIE LCh	58, 21.699, 262.586
Yxy	25.7318, 0.2525, 0.2728
Android (android.graphics.Color)	4285370032 (0xFF6D8EB0)
YUV	136.0090, 19.7156, -23.6869
Hunter-Lab	50.7265, -4.9625, -16.8263

Details

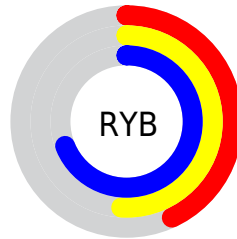
The Yxy color $25.7318, 0.2525, 0.2728$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $29.9810, 0.3853, 0.3789$, and the grayscale version is $24.5597, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.0926, 0.2649, 0.2847$, and $9.9542, 0.2317, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $22.1735, 0.2366, 0.2548$, and if you desaturate by 10%, it is $29.7285, 0.2687, 0.2896$.

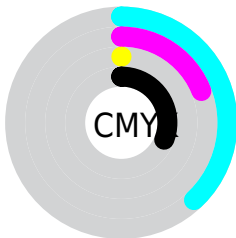
Distribution



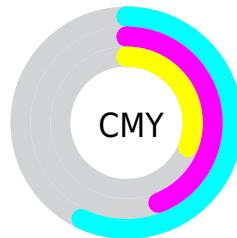
- Red (43%)
- Green (56%)
- Blue (69%)



- Red (43%)
- Yellow (51%)
- Blue (69%)



- Cyan (38%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (57%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7318, 0.2525, 0.2728 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 25.7318, 0.2525, 0.2728 by changing the saturation by 10% instead.

■ 25.7318, 0.2525,
0.2728

■ 25.7318, 0.2525,
0.2728

281.4630, 0.2849,
0.3034

■ 16.6231, 0.2437,
0.2643

■ 52.8420, 0.2648,
0.2845

■ 9.9661, 0.2318,
0.2530

■ 71.6122, 0.2693,
0.2887

■ 5.3765, 0.2154,
0.2370

■ 94.3718, 0.2730,
0.2922

■ 2.4698, 0.1911,
0.2131

■ 121.5050, 0.2761,
0.2952

■ 0.8615, 0.1520,
0.1745

153.3964, 0.2788,
0.2977

■ 0.0000, 0.0000,
0.0000

190.4302, 0.2811,

0.2998

232.9910, 0.2831,
0.3017

■ 25.7318, 0.2525,
0.2728

■ 25.7318, 0.2525,
0.2728

■ 22.1735, 0.2366,
0.2548

■ 29.7285, 0.2687,
0.2896

■ 19.0324, 0.2214,
0.2358

■ 34.1778, 0.2848,
0.3049

■ 16.2893, 0.2076,
0.2163

■ 39.0967, 0.3005,
0.3189

■ 13.9222, 0.1955,
0.1967

■ 44.5004, 0.3156,
0.3313

■ 11.9060, 0.1857,
0.1775

■ 50.4033, 0.3299,
0.3424

■ 10.2026, 0.1780,
0.1593

■ 56.8191, 0.3434,
0.3522

■ 9.8956, 0.1766,
0.1558

■ 63.7611, 0.3559,
0.3608

■ 71.2418, 0.3676,
0.3683

■ 76.8427, 0.3690,
0.3766

Harmonies

Analogous

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



25.7318, 0.2440, 0.2914



25.7318, 0.2525, 0.2728



25.7318, 0.2764, 0.2691

Triad

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



25.7318, 0.2525, 0.2728



25.7318, 0.3768, 0.3300



25.7318, 0.3107, 0.3863

Complementary

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



25.7318, 0.2525, 0.2728



29.9810, 0.3853, 0.3789

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.



25.7318, 0.3471, 0.3954



25.7318, 0.2525, 0.2728



25.7318, 0.3866, 0.3601

Square

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



25.7318, 0.2525, 0.2728



25.7318, 0.3485, 0.3013



25.7318, 0.3753, 0.3846



25.7318, 0.2762, 0.3586

Rectangle

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



25.7318, 0.2525, 0.2728



25.7318, 0.2989, 0.2746



25.7318, 0.3753, 0.3846



25.7318, 0.3231, 0.3917

Sweetspot

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



25.7328, 0.2525, 0.2728



68.0229, 0.2956, 0.3146



36.2649, 0.2834, 0.3842



14.4845, 0.2936, 0.3128



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.7328, 0.2525, 0.2728



40.9833, 0.2385, 0.2571



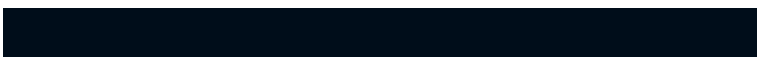
17.3303, 0.2442, 0.2158



8.8981, 0.2985, 0.3172



7.3789, 0.1771, 0.1577



0.3490, 0.1915, 0.2094

Inverse Universe

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



22.1244, 0.3588, 0.2809



34.2695, 0.3743, 0.2700



41.3764, 0.3688, 0.4217



8.5727, 0.3213, 0.3178



7.2850, 0.4960, 0.2506



0.2410, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 25.7318, 0.2525, 0.2728 looks on a white background.

Color Contrast Check

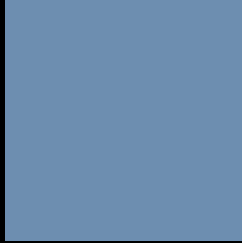
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7318, 0.2525, 0.2728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

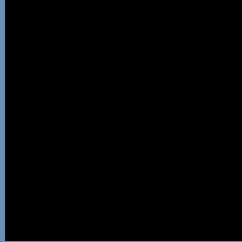
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

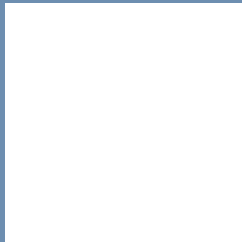
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7318, 0.2525, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 25.7318, 0.2525, 0.2728.

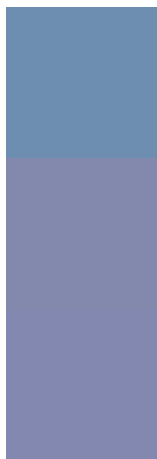


This preview shows how white text looks on a background with the Yxy color 25.7318, 0.2525, 0.2728.

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

25.7318, 0.2525, 0.2728

Protanopia

25.6157, 0.2728, 0.2730

Deuteranopia

25.6079, 0.2694, 0.2644



Tritanopia

25.6282, 0.2633, 0.3079

Trichromacy



Original Color

25.7318, 0.2525, 0.2728

Protanomaly

25.6199, 0.2650, 0.2737

Deuteranomaly

25.5622, 0.2625, 0.2664

Tritanomaly

25.6910, 0.2594, 0.2946

Monochromacy



Original Color

25.7318, 0.2525, 0.2728

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.8469, 0.2875, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7318, 0.2525, 0.2728 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(109, 142, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 142, 176) }
```

Border

The CSS property to change the border of an element to Yxy 25.7318, 0.2525, 0.2728 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, 176) }
```

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

```
.border{ border-color:rgb(109, 142, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 142, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 142, 176); box-shadow:4px 4px 4px 4px rgb(109, 142, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7318, 0.2525, 0.2728 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, 176) }
```

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

```
.background{ background-color: rgb(109,  
142, 176) }
```

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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