

Converting Colors

$Y_{xy}(25.1250, 0.2462, 0.2431)$

Have a look what the booklet for
Yxy(25.1250, 0.2462, 0.2431)
contains.

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Color

Yxy(25.0829, 0.2460, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	7488BF
RGB	116, 136, 191
RGB Percent	45%, 53%, 75%
CMY	0.5451, 0.4667, 0.2509
CMYK	0.39, 0.29, 0.00, 0.25
HSL	224°, 37%, 60%
HSV	224°, 39%, 75%
XYZ	25.4135, 25.0829, 52.8105
YIQ	136.2900, -29.5750, 12.8650

Conversions

Conversions Part 2

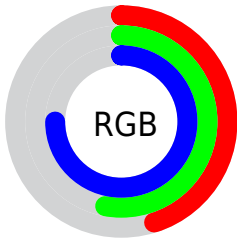
Format	Color
R_{YB}	116, 132, 191
Decimal	7637183
CIE _{Lab}	57.16, 6.79, -31.01
CIE _{LCh}	57, 31.742, 282.348
Yxy	25.0829, 0.2460, 0.2428
Android (android.graphics.Color)	4285827263 (0xFF7488BF)
YUV	136.2900, 26.9720, -17.7943
Hunter-Lab	50.0828, 2.9311, -27.4611

Details

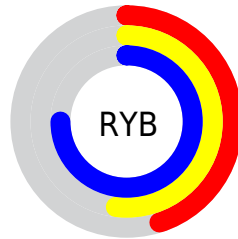
The Yxy color $25.0829, 0.2460, 0.2428$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $41.4824, 0.3801, 0.4021$, and the grayscale version is $24.6411, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.7186, 0.2592, 0.2592$, and $9.6793, 0.2233, 0.2167$ is the 20% darker color. If you saturate the color by 10%, you get $20.2142, 0.2274, 0.2160$, and if you desaturate by 10%, it is $30.7387, 0.2644, 0.2680$.

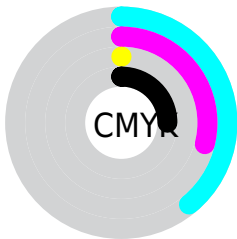
Distribution



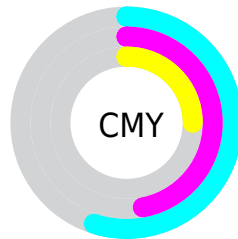
- Red (45%)
- Green (53%)
- Blue (75%)



- Red (45%)
- Yellow (52%)
- Blue (75%)



- Cyan (39%)
- Magenta (29%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0829, 0.2460, 0.2428 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 25.0829, 0.2460, 0.2428 by changing the saturation by 10% instead.

■ 25.0829, 0.2460,
0.2428

■ 25.0829, 0.2460,
0.2428

278.2505, 0.2821,
0.2883

■ 16.1388, 0.2362,
0.2308

■ 51.7917, 0.2597,
0.2598

■ 9.6224, 0.2232,
0.2152

■ 70.3252, 0.2647,
0.2661

■ 5.1494, 0.2053,
0.1940

■ 92.8239, 0.2688,
0.2713

■ 2.3352, 0.1794,
0.1643

119.6724, 0.2723,
0.2758

■ 0.7922, 0.1402,
0.1206

151.2548, 0.2753,
0.2796

■ 0.0000, 0.0000,
0.0000

187.9558, 0.2778,

0.2829

230.1595, 0.2801,
0.2858

■ 25.0829, 0.2460,
0.2428

■ 25.0829, 0.2460,
0.2428

■ 20.2142, 0.2274,
0.2160

■ 30.7387, 0.2644,
0.2680

■ 16.0933, 0.2094,
0.1883

■ 37.2128, 0.2820,
0.2910

■ 12.6816, 0.1927,
0.1609

■ 44.5381, 0.2985,
0.3118

■ 9.9354, 0.1784,
0.1350

■ 52.7446, 0.3138,
0.3303

■ 7.8055, 0.1673,
0.1121

■ 61.8610, 0.3277,
0.3465

■ 6.2208, 0.1594,
0.0931

■ 71.9147, 0.3403,
0.3607

■ 6.1223, 0.1589,
0.0919

■ 82.9317, 0.3517,
0.3730

■ 92.2191, 0.3523,
0.3856

■ 96.5430, 0.3508,
0.3919

Harmonies

Analogous

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



25.0829, 0.2198, 0.2537



25.0829, 0.2460, 0.2428



25.0829, 0.2912, 0.2517

Triad

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



25.0829, 0.2460, 0.2428



25.0829, 0.4206, 0.3568



25.0829, 0.2743, 0.3906

Complementary

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



25.0829, 0.2460, 0.2428



41.4824, 0.3801, 0.4021

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.



25.0829, 0.3266, 0.4242



25.0829, 0.2460, 0.2428



25.0829, 0.4130, 0.3971

Square

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



25.0829, 0.2460, 0.2428



25.0829, 0.3958, 0.3143



25.0829, 0.3777, 0.4242



25.0829, 0.2345, 0.3366

Rectangle

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



25.0829, 0.2460, 0.2428



25.0829, 0.3279, 0.2670



25.0829, 0.3777, 0.4242



25.0829, 0.2910, 0.4051

Sweetspot

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



25.0838, 0.2460, 0.2428



75.7545, 0.2938, 0.3060



43.9302, 0.2712, 0.3589



16.2481, 0.2917, 0.3033



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



25.0838, 0.2460, 0.2428



37.4366, 0.2303, 0.2202



21.2831, 0.2572, 0.2155



9.6279, 0.2984, 0.3117



4.1372, 0.1595, 0.0941



0.2738, 0.1732, 0.1435

Inverse Universe

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



25.3499, 0.3830, 0.3017



38.7074, 0.4065, 0.2961



47.4811, 0.3550, 0.4307



9.5770, 0.3248, 0.3229



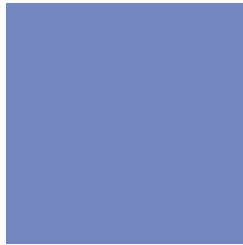
7.4473, 0.5849, 0.2996



0.3030, 0.5145, 0.2608

Previews

White Background



This preview shows how the Yxy color 25.0829, 0.2460, 0.2428 looks on a white background.

Color Contrast Check

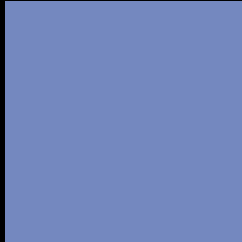
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0829, 0.2460, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

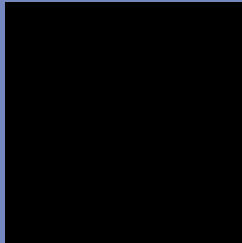
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

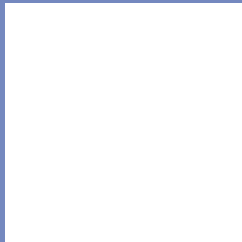
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.0829, 0.2460, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 25.0829, 0.2460, 0.2428.



This preview shows how white text looks on a background with the Yxy color 25.0829, 0.2460, 0.2428.

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

25.0829, 0.2460, 0.2428

Protanopia

25.0387, 0.2497, 0.2432

Deuteranopia

24.9411, 0.2474, 0.2416



Tritanopia

25.1038, 0.2678, 0.3096

Trichromacy



Original Color

25.0829, 0.2460, 0.2428

Protanomaly

24.9676, 0.2489, 0.2431

Deuteranomaly

24.8714, 0.2466, 0.2414

Tritanomaly

24.8612, 0.2595, 0.2832

Monochromacy



Original Color

25.0829, 0.2460, 0.2428

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.6757, 0.2858, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0829, 0.2460, 0.2428 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(116, 136, 191)` looks like.

```
.text, #text, p{  
    color:rgb(116, 136, 191)  
}
```

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(116, 136, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 136, 191) }
```

Border

The CSS property to change the border of an element to Yxy 25.0829, 0.2460, 0.2428 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(116, 136, 191) }
```

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

```
.border{ border-color:rgb(116, 136, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 136, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 136, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 136, 191);  
box-shadow:4px 4px 4px 4px rgb(116, 136,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0829, 0.2460, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 136, 191) }
```

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

```
.background{ background-color: rgb(116,  
136, 191) }
```

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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