

Converting Colors

$Y_{xy}(25.7176, 0.2471, 0.2720)$

Have a look what the booklet for
Yxy(25.7176, 0.2471, 0.2720)
contains.

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Color

$Yxy(25.7028, 0.2474, 0.2723)$

Conversions

Conversions Part 1

Format	Color
Hex	678FB1
RGB	103, 143, 177
RGB Percent	40%, 56%, 69%
CMY	0.5961, 0.4392, 0.3058
CMYK	0.42, 0.19, 0.00, 0.31
HSL	208°, 32%, 55%
HSV	208°, 42%, 69%
XYZ	23.3525, 25.7028, 45.3362
YIQ	134.9160, -34.7540, 2.0940

Conversions

Conversions Part 2

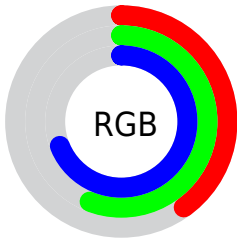
Format	Color
R_{YB}	103, 129, 177
Decimal	6786993
CIE _{Lab}	57.75, -4.74, -22.18
CIE _{LCh}	58, 22.685, 257.931
Yxy	25.7028, 0.2474, 0.2723
Android (android.graphics.Color)	4284977073 (0xFF678FB1)
YUV	134.9160, 20.7474, -27.9903
Hunter-Lab	50.6979, -6.5008, -17.5311

Details

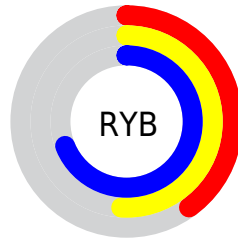
The Yxy color **25.7028, 0.2474, 0.2723** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.2233, 0.3965, 0.3790**, and the grayscale version is **24.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9838, 0.2607, 0.2844**, and **9.9620, 0.2253, 0.2531** is the 20% darker color. If you saturate the color by 10%, you get **22.4110, 0.2323, 0.2558**, and if you desaturate by 10%, it is **29.3953, 0.2631, 0.2878**.

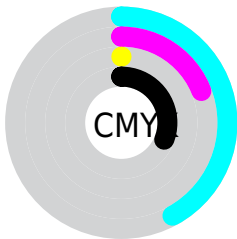
Distribution



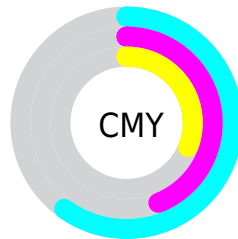
- Red (40%)
- Green (56%)
- Blue (69%)



- Red (40%)
- Yellow (51%)
- Blue (69%)



- Cyan (42%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7028, 0.2474, 0.2723 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 25.7028, 0.2474, 0.2723 by changing the saturation by 10% instead.

■ 25.7028, 0.2474,
0.2723

■ 25.7028, 0.2474,
0.2723

281.3201, 0.2825,
0.3032

■ 16.6014, 0.2379,
0.2637

■ 52.7951, 0.2607,
0.2842

■ 9.9507, 0.2252,
0.2521

■ 71.5548, 0.2655,
0.2885

■ 5.3663, 0.2077,
0.2358

■ 94.3028, 0.2695,
0.2920

■ 2.4638, 0.1819,
0.2114

■ 121.4234, 0.2729,
0.2950

■ 0.8584, 0.1405,
0.1722

153.3010, 0.2758,
0.2975

■ 0.0000, 0.0000,
0.0000

190.3201, 0.2783,

0.2997

232.8650, 0.2805,
0.3016

■ 25.7028, 0.2474,
0.2723

■ 25.7028, 0.2474,
0.2723

■ 22.4110, 0.2323,
0.2558

■ 29.3953, 0.2631,
0.2878

■ 19.4990, 0.2183,
0.2384

■ 33.5021, 0.2790,
0.3022

■ 16.9484, 0.2057,
0.2207

■ 38.0395, 0.2947,
0.3152

■ 14.7372, 0.1951,
0.2030

■ 43.0220, 0.3100,
0.3270

■ 12.8398, 0.1867,
0.1857

■ 48.4634, 0.3247,
0.3375

■ 11.4815, 0.1811,
0.1720

■ 54.3767, 0.3387,
0.3468

■ 60.7744, 0.3519,
0.3551

■ 67.6685, 0.3642,
0.3623

■ 73.6574, 0.3701,
0.3694

Harmonies

Analogous

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



25.7028, 0.2412, 0.2940



25.7028, 0.2474, 0.2723



25.7028, 0.2700, 0.2662

Triad

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



25.7028, 0.2474, 0.2723



25.7028, 0.3762, 0.3250



25.7028, 0.3165, 0.3921

Complementary

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



25.7028, 0.2474, 0.2723



28.2233, 0.3965, 0.3790

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.



25.7028, 0.3539, 0.3980



25.7028, 0.2474, 0.2723



25.7028, 0.3899, 0.3566

Square

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



25.7028, 0.2474, 0.2723



25.7028, 0.3444, 0.2960



25.7028, 0.3813, 0.3837



25.7028, 0.2796, 0.3654

Rectangle

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



25.7028, 0.2474, 0.2723



25.7028, 0.2924, 0.2705



25.7028, 0.3813, 0.3837



25.7028, 0.3295, 0.3966

Sweetspot

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



25.7038, 0.2474, 0.2723



66.9224, 0.2925, 0.3135



36.1222, 0.2836, 0.3973



14.1127, 0.2891, 0.3107



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.



25.7038, 0.2474, 0.2723



40.6657, 0.2337, 0.2574



16.5097, 0.2372, 0.2088



8.9656, 0.2985, 0.3183



8.4392, 0.1816, 0.1738



0.3806, 0.1948, 0.2213

Inverse Universe

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



21.0317, 0.3603, 0.2712



32.1100, 0.3754, 0.2593



40.3389, 0.3759, 0.4261



8.5795, 0.3205, 0.3168



7.3921, 0.4760, 0.2396



0.2442, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 25.7028, 0.2474, 0.2723 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 25.7028, 0.2474, 0.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

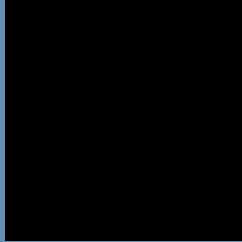
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

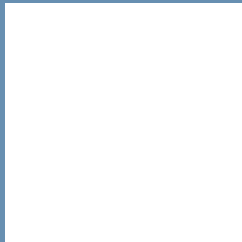
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7028, 0.2474, 0.2723

Background



This preview shows how black text looks on a background with the Yxy color 25.7028, 0.2474, 0.2723.

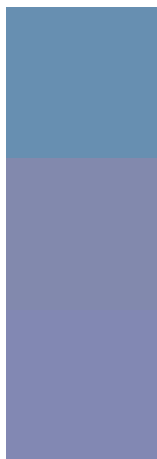


This preview shows how white text looks on a background with the Yxy color 25.7028, 0.2474, 0.2723.

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

25.7028, 0.2474, 0.2723

Protanopia

25.6543, 0.2720, 0.2715

Deuteranopia

25.6088, 0.2669, 0.2614



Tritanopia

25.6231, 0.2580, 0.3077

Trichromacy



Original Color

25.7028, 0.2474, 0.2723

Protanomaly

25.5143, 0.2624, 0.2720

Deuteranomaly

25.6727, 0.2594, 0.2662

Tritanomaly

25.6767, 0.2542, 0.2943

Monochromacy



Original Color

25.7028, 0.2474, 0.2723

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.5899, 0.2854, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7028, 0.2474, 0.2723 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(103, 143, 177)` looks like.

```
.text, #text, p{  
    color:rgb(103, 143, 177)  
}
```

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(103, 143, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 143, 177) }
```

Border

The CSS property to change the border of an element to Yxy 25.7028, 0.2474, 0.2723 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(103, 143, 177) }
```

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

```
.border{ border-color:rgb(103, 143, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 143, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 143, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 143, 177);  
box-shadow:4px 4px 4px 4px rgb(103, 143,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7028, 0.2474, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 143, 177) }
```

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

```
.background{ background-color: rgb(103,  
143, 177) }
```

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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