

Converting Colors

$Y_{xy}(22.7278, 0.2591, 0.2616)$

Have a look what the booklet for
Yxy(22.7278, 0.2591, 0.2616)
contains.

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Color

Yxy(22.8177, 0.2588, 0.2620)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 7383AB |
| RGB | 115, 131, 171 |
| RGB Percent | 45%, 51%, 67% |
| CMY | 0.5489, 0.4863, 0.3295 |
| CMYK | 0.33, 0.23, 0.00, 0.33 |
| HSL | 223°, 25%, 56% |
| HSV | 223°, 33%, 67% |
| XYZ | 22.5390, 22.8177, 41.7337 |
| YIQ | 130.7760, -22.3760, 9.0480 |

Conversions

Conversions Part 2

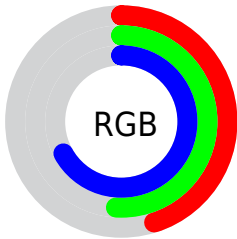
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 115, 127, 171 |
| Decimal | 7570347 |
| CIE Lab | 54.88, 3.95, -23.07 |
| CIE LCh | 55, 23.401, 279.711 |
| Yxy | 22.8177, 0.2588, 0.2620 |
| Android (android.graphics.Color) | 4285760427 (0xFF7383AB) |
| YUV | 130.7760, 19.8304, -13.8356 |
| Hunter-Lab | 47.7679, 0.6305, -18.3629 |

Details

The Yxy color **22.8177, 0.2588, 0.2620** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **33.3438, 0.3678, 0.3879**, and the grayscale version is **22.5493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0968, 0.2704, 0.2766**, and **8.4903, 0.2391, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **18.6733, 0.2406, 0.2371**, and if you desaturate by 10%, it is **27.5661, 0.2764, 0.2850**.

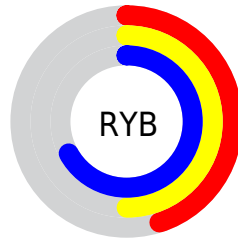
Distribution



Red (45%)

Green (51%)

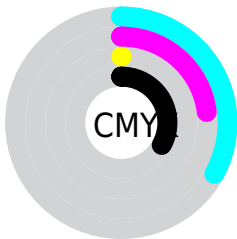
Blue (67%)



Red (45%)

Yellow (50%)

Blue (67%)

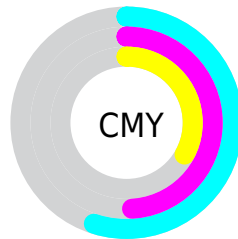


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (33%)



Cyan (55%)

Magenta (49%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8177, 0.2588, 0.2620 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 22.8177, 0.2588, 0.2620 by changing the saturation by 10% instead.

■ 22.8177, 0.2588,
0.2620

■ 22.8177, 0.2588,
0.2620

266.7873, 0.2886,
0.2985

■ 14.4590, 0.2504,
0.2519

■ 48.0938, 0.2703,
0.2760

■ 8.4406, 0.2390,
0.2383

■ 65.7800, 0.2744,
0.2810

■ 4.3781, 0.2227,
0.2192

■ 87.3441, 0.2778,
0.2852

■ 1.8872, 0.1979,
0.1907

113.1705, 0.2807,
0.2887

■ 0.5407, 0.1542,
0.1367

143.6436, 0.2831,
0.2917

■ 0.0000, 0.0000,
0.0000

179.1479, 0.2852,

0.2942

220.0676, 0.2870,
0.2965

■ 22.8177, 0.2588,
0.2620

■ 22.8177, 0.2588,
0.2620

■ 18.6733, 0.2406,
0.2371

■ 27.5661, 0.2764,
0.2850

■ 15.1049, 0.2225,
0.2109

■ 32.9395, 0.2931,
0.3058

■ 12.0862, 0.2051,
0.1839

■ 38.9613, 0.3087,
0.3243

■ 9.5875, 0.1894,
0.1575

■ 45.6527, 0.3230,
0.3407

■ 7.5760, 0.1761,
0.1327

■ 53.0339, 0.3361,
0.3552

■ 6.0144, 0.1660,
0.1109

■ 61.1244, 0.3479,
0.3677

■ 5.1175, 0.1604,
0.0973

■ 69.9427, 0.3585,
0.3787

■ 79.5067, 0.3681,
0.3883

■ 87.0976, 0.3667,
0.3991

Harmonies

Analogous

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



22.8177, 0.2393, 0.2729



22.8177, 0.2588, 0.2620



22.8177, 0.2932, 0.2673

Triad

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



22.8177, 0.2588, 0.2620



22.8177, 0.3940, 0.3491



22.8177, 0.2872, 0.3779

Complementary

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



22.8177, 0.2588, 0.2620



33.3438, 0.3678, 0.3879

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.



22.8177, 0.3280, 0.4012



22.8177, 0.2588, 0.2620



22.8177, 0.3910, 0.3803

Square

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



22.8177, 0.2588, 0.2620



22.8177, 0.3731, 0.3155



22.8177, 0.3663, 0.4007



22.8177, 0.2547, 0.3391

Rectangle

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



22.8177, 0.2588, 0.2620



22.8177, 0.3211, 0.2787



22.8177, 0.3663, 0.4007



22.8177, 0.3004, 0.3881

Sweetspot

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



22.8186, 0.2588, 0.2620



61.6389, 0.2972, 0.3107



35.1051, 0.2788, 0.3561



13.4287, 0.2950, 0.3081



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.8186, 0.2588, 0.2620



35.5896, 0.2462, 0.2448



19.6624, 0.2667, 0.2371



8.1155, 0.2986, 0.3123



3.9385, 0.1608, 0.0989



0.2038, 0.1781, 0.1612

Inverse Universe

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



22.5643, 0.3652, 0.3050



35.4641, 0.3814, 0.2997



37.8088, 0.3500, 0.4121



8.0515, 0.3243, 0.3226



6.7006, 0.5775, 0.2955



0.1959, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 22.8177, 0.2588, 0.2620 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 22.8177, 0.2588, 0.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

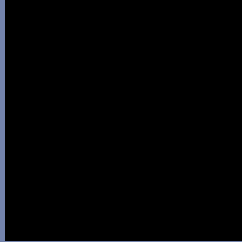
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

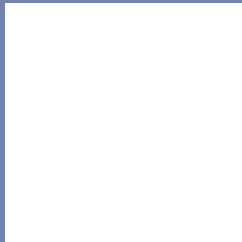
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8177, 0.2588, 0.2620

Background



This preview shows how black text looks on a background with the Yxy color 22.8177, 0.2588, 0.2620.



This preview shows how white text looks on a background with the Yxy color 22.8177, 0.2588, 0.2620.

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

22.8177, 0.2588, 0.2620

Protanopia

22.8606, 0.2640, 0.2625

Deuteranopia

22.7784, 0.2648, 0.2597



Tritanopia

22.7183, 0.2759, 0.3090

Trichromacy



Original Color

22.8177, 0.2588, 0.2620

Protanomaly

22.7191, 0.2621, 0.2622

Deuteranomaly

22.8275, 0.2622, 0.2609

Tritanomaly

22.8615, 0.2698, 0.2920

Monochromacy



Original Color

22.8177, 0.2588, 0.2620

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6679, 0.2907, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8177, 0.2588, 0.2620 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(115, 131, 171)` looks like.

```
.text, #text, p{  
    color:rgb(115, 131, 171)  
}
```

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(115, 131, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 131, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.8177, 0.2588, 0.2620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

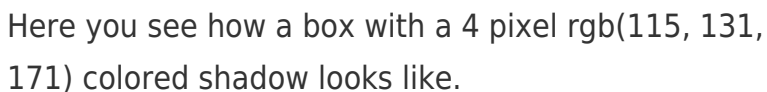
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 131, 171) }
```

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

```
.border{ border-color:rgb(115, 131, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 131, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 131, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 131, 171);  
box-shadow:4px 4px 4px 4px rgb(115, 131,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8177, 0.2588, 0.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 131, 171) }
```

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

```
.background{ background-color: rgb(115,  
131, 171) }
```

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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