

Converting Colors

$Y_{xy}(22.5127, 0.2451, 0.2652)$

Have a look what the booklet for
Yxy(22.5127, 0.2451, 0.2652)
contains.

Yxy(22.5871, 0.2452, 0.2648)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5871, 0.2452, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	6286AB
RGB	98, 134, 171
RGB Percent	38%, 53%, 67%
CMY	0.6156, 0.4745, 0.3293
CMYK	0.43, 0.22, 0.00, 0.33
HSL	210°, 30%, 53%
HSV	210°, 43%, 67%
XYZ	20.9152, 22.5871, 41.7964
YIQ	127.4540, -33.3330, 3.8750

Conversions

Conversions Part 2

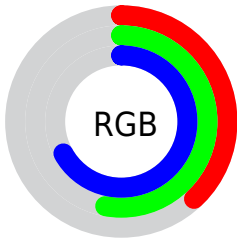
Format	Color
R_{YB}	98, 122, 171
Decimal	6457003
CIE _{Lab}	54.64, -2.64, -23.55
CIE _{LCh}	55, 23.699, 263.609
Yxy	22.5871, 0.2452, 0.2648
Android (android.graphics.Color)	4284647083 (0xFF6286AB)
YUV	127.4540, 21.4682, -25.8312
Hunter-Lab	47.5259, -4.6158, -18.8741

Details

The Yxy color **22.5871, 0.2452, 0.2648** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.8814, 0.3962, 0.3849**, and the grayscale version is **21.3225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7070, 0.2600, 0.2790**, and **8.3868, 0.2207, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **19.4359, 0.2296, 0.2464**, and if you desaturate by 10%, it is **26.1399, 0.2613, 0.2821**.

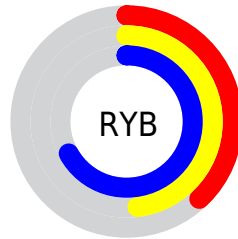
Distribution



Red (38%)

Green (53%)

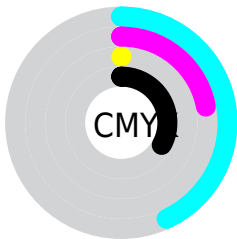
Blue (67%)



Red (38%)

Yellow (48%)

Blue (67%)

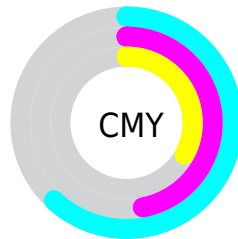


Cyan (43%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5871, 0.2452, 0.2648 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 22.5871, 0.2452, 0.2648 by changing the saturation by 10% instead.

■ 22.5871, 0.2452,
0.2648

■ 22.5871, 0.2452,
0.2648

265.5971, 0.2821,
0.3003

■ 14.2889, 0.2349,
0.2548

■ 47.7144, 0.2594,
0.2785

■ 8.3219, 0.2211,
0.2412

■ 65.3124, 0.2645,
0.2834

■ 4.3016, 0.2016,
0.2220

■ 86.7791, 0.2687,
0.2875

■ 1.8437, 0.1725,
0.1929

■ 112.4989, 0.2723,
0.2908

■ 0.5142, 0.1130,
0.1369

142.8562, 0.2753,
0.2937

■ 0.0000, 0.0000,
0.0000

178.2354, 0.2779,

0.2962

219.0209, 0.2801,
0.2984

■ 22.5871, 0.2452,
0.2648

■ 22.5871, 0.2452,
0.2648

■ 19.4359, 0.2296,
0.2464

■ 26.1399, 0.2613,
0.2821

■ 16.6661, 0.2150,
0.2272

■ 30.1082, 0.2775,
0.2981

■ 14.2589, 0.2019,
0.2076

■ 34.5082, 0.2933,
0.3126

■ 12.1927, 0.1909,
0.1882

■ 39.3545, 0.3087,
0.3257

■ 10.4423, 0.1821,
0.1694

■ 44.6607, 0.3234,
0.3374

■ 9.3271, 0.1768,
0.1563

■ 50.4400, 0.3372,
0.3478

■ 56.7049, 0.3501,
0.3569

■ 63.4673, 0.3622,
0.3649

■ 70.7389, 0.3734,
0.3719

Harmonies

Analogous

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



22.5871, 0.2350, 0.2849



22.5871, 0.2452, 0.2648



22.5871, 0.2726, 0.2616

Triad

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



22.5871, 0.2452, 0.2648



22.5871, 0.3867, 0.3309



22.5871, 0.3086, 0.3943

Complementary

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



22.5871, 0.2452, 0.2648



26.8814, 0.3962, 0.3849

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.



22.5871, 0.3502, 0.4051



22.5871, 0.2452, 0.2648



22.5871, 0.3970, 0.3648

Square

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



22.5871, 0.2452, 0.2648



22.5871, 0.3548, 0.2985



22.5871, 0.3830, 0.3926



22.5871, 0.2699, 0.3615

Rectangle

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



22.5871, 0.2452, 0.2648



22.5871, 0.2982, 0.2682



22.5871, 0.3830, 0.3926



22.5871, 0.3227, 0.4007

Sweetspot

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



22.5880, 0.2452, 0.2648



61.3389, 0.2925, 0.3119



33.4675, 0.2805, 0.3921



13.2867, 0.2891, 0.3088



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.



22.5880, 0.2452, 0.2648



35.2183, 0.2308, 0.2479



14.2764, 0.2346, 0.1998



8.3846, 0.2986, 0.3172



7.1344, 0.1773, 0.1581



0.3082, 0.1929, 0.2143

Inverse Universe

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



19.1195, 0.3665, 0.2751



29.0781, 0.3839, 0.2642



38.6769, 0.3751, 0.4321



8.0787, 0.3212, 0.3179



7.0233, 0.4955, 0.2504



0.2065, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 22.5871, 0.2452, 0.2648 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 22.5871, 0.2452, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

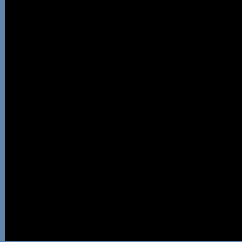
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

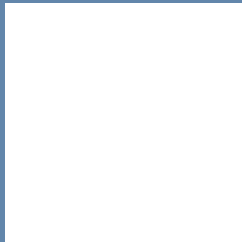
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.5871, 0.2452, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 22.5871, 0.2452, 0.2648.



This preview shows how white text looks on a background with the Yxy color 22.5871, 0.2452, 0.2648.

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

22.5871, 0.2452, 0.2648

Protanopia

22.4836, 0.2663, 0.2652

Deuteranopia

22.4100, 0.2619, 0.2562



Tritanopia

22.6222, 0.2580, 0.3084

Trichromacy



Original Color

22.5871, 0.2452, 0.2648

Protanomaly

22.5045, 0.2584, 0.2660

Deuteranomaly

22.3886, 0.2551, 0.2583

Tritanomaly

22.7053, 0.2532, 0.2926

Monochromacy



Original Color

22.5871, 0.2452, 0.2648

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6614, 0.2841, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5871, 0.2452, 0.2648 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(98, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(98, 134, 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(98, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 134, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.5871, 0.2452, 0.2648 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(98, 134, 171) }
```

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

```
.border{ border-color:rgb(98, 134, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 134, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 134, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 134, 171);  
box-shadow:4px 4px 4px 4px rgb(98, 134,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5871, 0.2452, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 134, 171) }
```

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

```
.background{ background-color: rgb(98, 134,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor