

Converting Colors

$Y_{xy}(20.5945, 0.2421, 0.2270)$

Have a look what the booklet for
Yxy(20.5945, 0.2421, 0.2270)
contains.

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Color

Yxy(20.6948, 0.2424, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	6E7AB8
RGB	110, 122, 184
RGB Percent	43%, 48%, 72%
CMY	0.5687, 0.5215, 0.2784
CMYK	0.40, 0.34, 0.00, 0.28
HSL	230°, 34%, 58%
HSV	230°, 40%, 72%
XYZ	22.0405, 20.6948, 48.1909
YIQ	125.4800, -27.0540, 16.7380

Conversions

Conversions Part 2

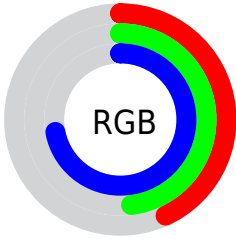
Format	Color
R _{YB}	110, 120, 184
Decimal	7240376
CIE _{Lab}	52.61, 11.43, -34.12
CIE _{LCh}	53, 35.982, 288.528
Y _{xy}	20.6948, 0.2424, 0.2276
Android (android.graphics.Color)	4285430456 (0xFF6E7AB8)
YUV	125.4800, 28.8504, -13.5760
Hunter-Lab	45.4915, 6.8725, -30.9640

Details

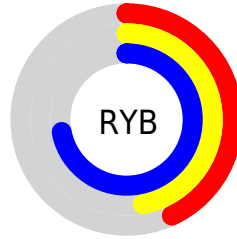
The Yxy color **20.6948, 0.2424, 0.2276** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.8177, 0.3779, 0.4131**, and the grayscale version is **20.5852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4559, 0.2576, 0.2481**, and **7.4061, 0.2160, 0.1943** is the 20% darker color. If you saturate the color by 10%, you get **16.1461, 0.2227, 0.1971**, and if you desaturate by 10%, it is **26.0903, 0.2617, 0.2565**.

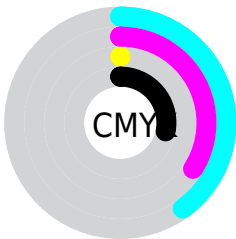
Distribution



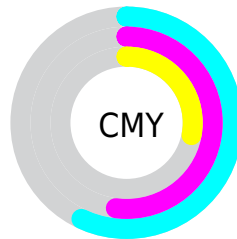
- Red (43%)
- Green (48%)
- Blue (72%)



- Red (43%)
- Yellow (47%)
- Blue (72%)



- Cyan (40%)
- Magenta (34%)
- Yellow (0%)
- Black (28%)



- Cyan (57%)
- Magenta (52%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6948, 0.2424, 0.2276 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 20.6948, 0.2424, 0.2276 by changing the saturation by 10% instead.

■ 20.6948, 0.2424,
0.2276

■ 20.6948, 0.2424,
0.2276

■ 255.6521, 0.2815,
0.2818

■ 12.9011, 0.2314,
0.2132

■ 44.5790, 0.2576,
0.2480

■ 7.3605, 0.2165,
0.1943

■ 61.4384, 0.2630,
0.2555

■ 3.6885, 0.1957,
0.1687

■ 82.0884, 0.2674,
0.2617

■ 1.5009, 0.1651,
0.1332

■ 106.9134, 0.2712,
0.2670

■ 0.2894, 0.1156,
0.0604

■ 136.2979, 0.2744,
0.2715

■ 0.0000, 0.0000,
0.0000

170.6262, 0.2771,

0.2754

210.2828, 0.2795,
0.2788

■ 20.6948, 0.2424,
0.2276

■ 20.6948, 0.2424,
0.2276

■ 16.1461, 0.2227,
0.1971

■ 26.0903, 0.2617,
0.2565

■ 12.3983, 0.2036,
0.1664

■ 32.3707, 0.2801,
0.2832

■ 9.4049, 0.1861,
0.1369

■ 39.5744, 0.2970,
0.3072

■ 7.1129, 0.1715,
0.1106

■ 47.7369, 0.3124,
0.3285

■ 5.4628, 0.1608,
0.0893

■ 56.8918, 0.3262,
0.3472

■ 4.3854, 0.1539,
0.0740

■ 67.0712, 0.3384,
0.3635

■ 78.3055, 0.3493,
0.3776

■ 90.2065, 0.3573,
0.3901

■ 96.2415, 0.3549,
0.3988

Harmonies

Analogous

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



20.6948, 0.2071, 0.2345



20.6948, 0.2424, 0.2276



20.6948, 0.2995, 0.2425

Triad

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



20.6948, 0.2424, 0.2276



20.6948, 0.4441, 0.3703



20.6948, 0.2544, 0.3918

Complementary

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



20.6948, 0.2424, 0.2276



40.8177, 0.3779, 0.4131

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.



20.6948, 0.3146, 0.4409



20.6948, 0.2424, 0.2276



20.6948, 0.4259, 0.4171

Square

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



20.6948, 0.2424, 0.2276



20.6948, 0.4225, 0.3204



20.6948, 0.3775, 0.4471



20.6948, 0.2127, 0.3232

Rectangle

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



20.6948, 0.2424, 0.2276



20.6948, 0.3445, 0.2628



20.6948, 0.3775, 0.4471



20.6948, 0.2731, 0.4120

Sweetspot

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



20.6956, 0.2424, 0.2276



69.0254, 0.2938, 0.3027



40.5688, 0.2657, 0.3479



14.5067, 0.2917, 0.2997



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



20.6956, 0.2424, 0.2276



30.3547, 0.2255, 0.2016



19.7299, 0.2633, 0.2150



8.9490, 0.2984, 0.3093



3.0924, 0.1543, 0.0756



0.1830, 0.1658, 0.1169

Inverse Universe

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



22.7441, 0.3959, 0.3121



35.0436, 0.4238, 0.3088



42.8200, 0.3490, 0.4354



9.0354, 0.3263, 0.3253



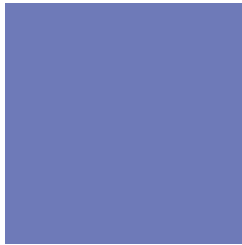
7.0945, 0.6141, 0.3157



0.2576, 0.5511, 0.2809

Previews

White Background



This preview shows how the Yxy color 20.6948, 0.2424, 0.2276 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 20.6948, 0.2424, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

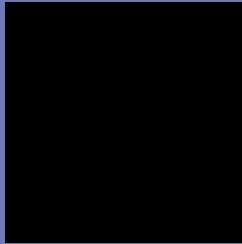
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6948, 0.2424, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 20.6948, 0.2424, 0.2276.



This preview shows how white text looks on a background with the Yxy color 20.6948, 0.2424, 0.2276.

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

20.6948, 0.2424, 0.2276

Protanopia

20.6720, 0.2379, 0.2270

Deuteranopia

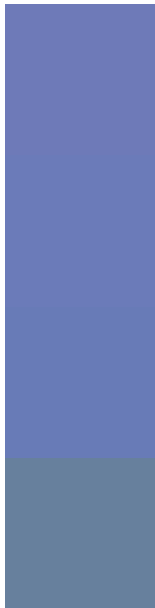
20.6009, 0.2363, 0.2305



Tritanopia

20.8083, 0.2691, 0.3099

Trichromacy



Original Color

20.6948, 0.2424, 0.2276

Protanomaly

20.7945, 0.2395, 0.2274

Deuteranomaly

20.5279, 0.2384, 0.2294

Tritanomaly

20.7562, 0.2585, 0.2766

Monochromacy



Original Color

20.6948, 0.2424, 0.2276

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4837, 0.2848, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6948, 0.2424, 0.2276 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(110, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(110, 122, 184)  
}
```

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(110, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 122, 184) }
```

Border

The CSS property to change the border of an element to Yxy 20.6948, 0.2424, 0.2276 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(110, 122, 184) }
```

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

```
.border{ border-color:rgb(110, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(110, 122,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6948, 0.2424, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 122, 184) }
```

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

```
.background{ background-color: rgb(110,  
122, 184) }
```

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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