

Converting Colors

$Y_{xy}(22.1138, 0.2390, 0.2535)$

Have a look what the booklet for
Yxy(22.1138, 0.2390, 0.2535)
contains.

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Color

$Y_{xy}(22.0700, 0.2388, 0.2533)$

Conversions

Conversions Part 1

Format	Color
Hex	5F84B0
RGB	95, 132, 176
RGB Percent	37%, 52%, 69%
CMY	0.6276, 0.4823, 0.3097
CMYK	0.46, 0.25, 0.00, 0.31
HSL	213°, 34%, 53%
HSV	213°, 46%, 69%
XYZ	20.8066, 22.0700, 44.2533
YIQ	125.9530, -36.1760, 5.8400

Conversions

Conversions Part 2

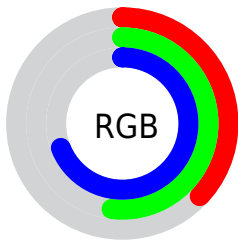
Format	Color
R_{YB}	95, 120, 176
Decimal	6259888
CIE _{Lab}	54.10, -0.82, -27.28
CIE _{LCh}	54, 27.295, 268.279
Yxy	22.0700, 0.2388, 0.2533
Android (android.graphics.Color)	4284449968 (0xFF5F84B0)
YUV	125.9530, 24.6732, -27.1458
Hunter-Lab	46.9787, -3.1561, -22.9652

Details

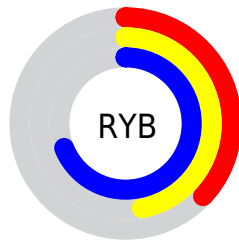
The Yxy color $22.0700, 0.2388, 0.2533$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $28.5226, 0.4028, 0.3933$, and the grayscale version is $20.7696, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9137, 0.2542, 0.2692$, and $8.0880, 0.2132, 0.2274$ is the 20% darker color. If you saturate the color by 10%, you get $18.7573, 0.2230, 0.2331$, and if you desaturate by 10%, it is $25.8350, 0.2552, 0.2724$.

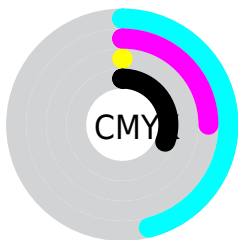
Distribution



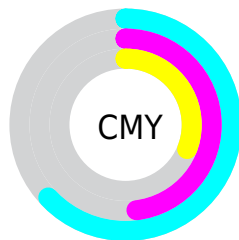
- Red (37%)
- Green (52%)
- Blue (69%)



- Red (37%)
- Yellow (47%)
- Blue (69%)



- Cyan (46%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)



- Cyan (63%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0700, 0.2388, 0.2533 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 22.0700, 0.2388, 0.2533 by changing the saturation by 10% instead.

■ 22.0700, 0.2388,
0.2533

■ 22.0700, 0.2388,
0.2533

■ 262.9116, 0.2792,
0.2948

■ 13.9083, 0.2276,
0.2417

■ 46.8617, 0.2543,
0.2693

■ 8.0569, 0.2126,
0.2262

■ 64.2605, 0.2599,
0.2750

■ 4.1314, 0.1916,
0.2045

■ 85.5071, 0.2645,
0.2798

■ 1.7473, 0.1608,
0.1724

■ 110.9860, 0.2684,
0.2837

■ 0.4540, 0.1004,
0.1107

■ 141.0814, 0.2717,
0.2871

■ 0.0000, 0.0000,
0.0000

176.1780, 0.2746,

0.2901

216.6599, 0.2771,
0.2926

■ 22.0700, 0.2388,
0.2533

■ 22.0700, 0.2388,
0.2533

■ 18.7573, 0.2230,
0.2331

■ 25.8350, 0.2552,
0.2724

■ 15.8735, 0.2083,
0.2122

■ 30.0690, 0.2717,
0.2901

■ 13.3965, 0.1954,
0.1913

■ 34.7909, 0.2879,
0.3063

■ 11.3003, 0.1846,
0.1709

■ 40.0177, 0.3036,
0.3209

■ 9.5530, 0.1764,
0.1516

■ 45.7654, 0.3185,
0.3340

■ 8.9360, 0.1734,
0.1443

■ 52.0491, 0.3325,
0.3455

■ 58.8836, 0.3456,
0.3557

■ 66.2828, 0.3578,
0.3646

■ 74.2601, 0.3690,
0.3725

Harmonies

Analogous

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



22.0700, 0.2241, 0.2728



22.0700, 0.2388, 0.2533



22.0700, 0.2726, 0.2529

Triad

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



22.0700, 0.2388, 0.2533



22.0700, 0.4025, 0.3366



22.0700, 0.3000, 0.4011

Complementary

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



22.0700, 0.2388, 0.2533



28.5226, 0.4028, 0.3933

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.



22.0700, 0.3483, 0.4178



22.0700, 0.2388, 0.2533



22.0700, 0.4097, 0.3750

Square

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



22.0700, 0.2388, 0.2533



22.0700, 0.3685, 0.2991



22.0700, 0.3889, 0.4059



22.0700, 0.2572, 0.3594

Rectangle

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



22.0700, 0.2388, 0.2533



22.0700, 0.3032, 0.2622



22.0700, 0.3889, 0.4059



22.0700, 0.3161, 0.4100

Sweetspot

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



22.0708, 0.2388, 0.2533



64.7175, 0.2908, 0.3091



35.3348, 0.2767, 0.3934



13.6099, 0.2874, 0.3059



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.



22.0708, 0.2388, 0.2533



34.0562, 0.2231, 0.2333



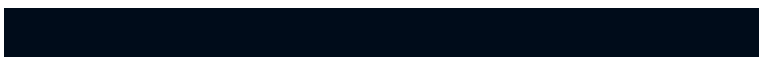
13.8926, 0.2297, 0.1885



8.8485, 0.2985, 0.3163



6.6684, 0.1740, 0.1462



0.3269, 0.1890, 0.2005

Inverse Universe

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



19.0783, 0.3771, 0.2750



29.0670, 0.3986, 0.2646



40.8102, 0.3770, 0.4409



8.5677, 0.3218, 0.3186



7.2133, 0.5109, 0.2588



0.2388, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 22.0700, 0.2388, 0.2533 looks on a white background.

Color Contrast Check

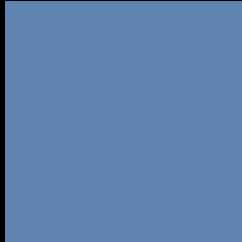
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0700, 0.2388, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

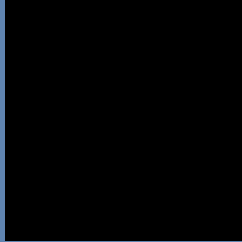
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

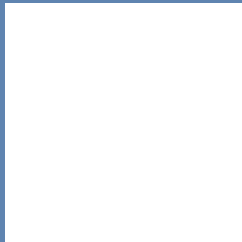
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.0700, 0.2388, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 22.0700, 0.2388, 0.2533.



This preview shows how white text looks on a background with the Yxy color 22.0700, 0.2388, 0.2533.

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

22.0700, 0.2388, 0.2533

Protanopia

21.8703, 0.2580, 0.2538

Deuteranopia

21.9305, 0.2523, 0.2463



Tritanopia

22.0557, 0.2545, 0.3081

Trichromacy



Original Color

22.0700, 0.2388, 0.2533

Protanomaly

21.9058, 0.2506, 0.2544

Deuteranomaly

22.0006, 0.2468, 0.2485

Tritanomaly

21.9702, 0.2487, 0.2868

Monochromacy



Original Color

22.0700, 0.2388, 0.2533

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0968, 0.2819, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0700, 0.2388, 0.2533 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(95, 132, 176)` looks like.

```
.text, #text, p{  
    color:rgb(95, 132, 176)  
}
```

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(95, 132, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 132, 176) }
```

Border

The CSS property to change the border of an element to Yxy 22.0700, 0.2388, 0.2533 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(95, 132, 176) }
```

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

```
.border{ border-color:rgb(95, 132, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 132, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 132, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 132, 176);  
box-shadow:4px 4px 4px 4px rgb(95, 132,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0700, 0.2388, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 132, 176) }
```

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

```
.background{ background-color: rgb(95, 132,  
176) }
```

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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