

Converting Colors

$Y_{xy}(22.4252, 0.2000, 0.1842)$

Have a look what the booklet for
Yxy(22.4252, 0.2000, 0.1842)
contains.

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Color

Yxy(22.4252, 0.2000, 0.1842)

Conversions

Conversions Part 1

Format	Color
Hex	4B80E2
RGB	75, 128, 226
RGB Percent	29%, 50%, 89%
CMY	0.7055, 0.4981, 0.1139
CMYK	0.67, 0.43, 0.00, 0.11
HSL	219°, 72%, 59%
HSV	219°, 67%, 89%
XYZ	24.3488, 22.4252, 74.9698
YIQ	123.3250, -63.0460, 19.2420

Conversions

Conversions Part 2

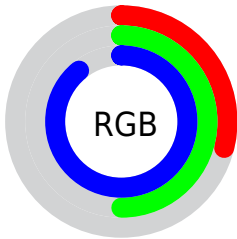
Format	Color
R_{YB}	75, 114, 226
Decimal	4948194
CIE _{Lab}	54.48, 13.78, -55.10
CIE _{LCh}	54, 56.794, 284.042
Yxy	22.4252, 0.2000, 0.1842
Android (android.graphics.Color)	4283138274 (0xFF4B80E2)
YUV	123.3250, 50.6188, -42.3810
Hunter-Lab	47.3553, 8.9080, -60.7155

Details

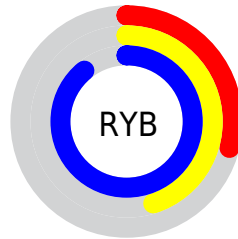
The Yxy color **22.4252, 0.2000, 0.1842** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **46.5798, 0.4434, 0.4340**, and the grayscale version is **19.7724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2658, 0.2347, 0.2369**, and **8.6396, 0.1748, 0.1491** is the 20% darker color. If you saturate the color by 10%, you get **18.1150, 0.1859, 0.1596**, and if you desaturate by 10%, it is **27.6138, 0.2161, 0.2094**.

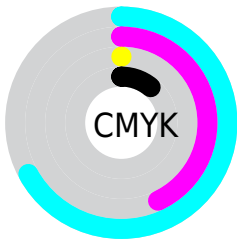
Distribution



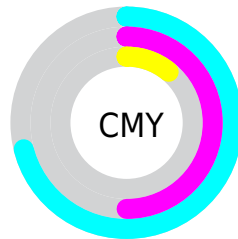
- Red (29%)
- Green (50%)
- Blue (89%)



- Red (29%)
- Yellow (45%)
- Blue (89%)



- Cyan (67%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)



- Cyan (71%)
- Magenta (50%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4252, 0.2000, 0.1842 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 22.4252, 0.2000, 0.1842 by changing the saturation by 10% instead.

■ 22.4252, 0.2000,
0.1842

■ 22.4252, 0.2000,
0.1842

264.7588, 0.2595,
0.2573

■ 14.1697, 0.1850,
0.1668

■ 47.4478, 0.2219,
0.2104

■ 8.2388, 0.1660,
0.1452

■ 64.9836, 0.2301,
0.2204

■ 4.2481, 0.1416,
0.1186

■ 86.3816, 0.2370,
0.2289

■ 1.8133, 0.1101,
0.0859

■ 112.0262, 0.2429,
0.2362

■ 0.4954, 0.0711,
0.0436

142.3019, 0.2479,
0.2425

■ 0.0000, 0.0000,
0.0000

177.5929, 0.2523,

0.2481

218.2838, 0.2561,
0.2530

■ 22.4252, 0.2000,
0.1842

■ 22.4252, 0.2000,
0.1842

■ 18.1150, 0.1859,
0.1596

■ 27.6138, 0.2161,
0.2094

■ 14.6214, 0.1745,
0.1366

■ 33.7317, 0.2335,
0.2342

■ 11.8737, 0.1662,
0.1162

■ 40.8278, 0.2513,
0.2579

■ 11.1158, 0.1640,
0.1102

■ 48.9465, 0.2690,
0.2799

■ 58.1295, 0.2861,
0.2999

■ 68.4157, 0.3023,
0.3180

■ 79.8420, 0.3175,
0.3340

■ 92.2806, 0.3309,
0.3481

■ 98.2690, 0.3298,
0.3572

Harmonies

Analogous

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



22.4252, 0.1583, 0.1951



22.4252, 0.2000, 0.1842



22.4252, 0.2761, 0.2013

Triad

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



22.4252, 0.2000, 0.1842



22.4252, 0.5096, 0.3673



22.4252, 0.2336, 0.4454

Complementary

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



22.4252, 0.2000, 0.1842



46.5798, 0.4434, 0.4340

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.



22.4252, 0.3219, 0.5142



22.4252, 0.2000, 0.1842



22.4252, 0.4832, 0.4374

Square

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



22.4252, 0.2000, 0.1842



22.4252, 0.4712, 0.3007



22.4252, 0.4125, 0.4988



22.4252, 0.1724, 0.3307

Rectangle

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



22.4252, 0.2000, 0.1842



22.4252, 0.3429, 0.2263



22.4252, 0.4125, 0.4988



22.4252, 0.2612, 0.4773

Sweetspot

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



22.4259, 0.2000, 0.1842



72.2387, 0.2804, 0.2934



58.7988, 0.2599, 0.4085



14.7287, 0.2756, 0.2878



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



22.4259, 0.2000, 0.1842



21.9757, 0.1813, 0.1506



12.9768, 0.1956, 0.1210



14.0256, 0.2981, 0.3133



6.5456, 0.1648, 0.1131



0.6177, 0.1734, 0.1441

Inverse Universe

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



22.7653, 0.4531, 0.2731



25.0462, 0.4996, 0.2722



67.9818, 0.3881, 0.4898



13.7795, 0.3237, 0.3208



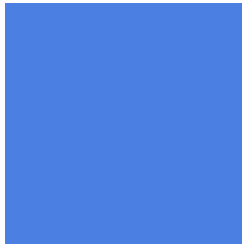
9.5688, 0.5566, 0.2840



0.6798, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 22.4252, 0.2000, 0.1842 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 22.4252, 0.2000, 0.1842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

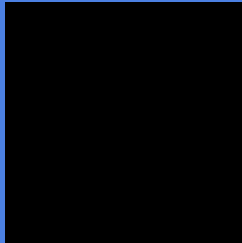
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

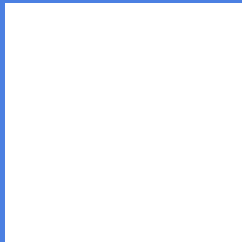
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4252, 0.2000, 0.1842

Background



This preview shows how black text looks on a background with the Yxy color 22.4252, 0.2000, 0.1842.



This preview shows how white text looks on a background with the Yxy color 22.4252, 0.2000, 0.1842.

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

22.4252, 0.2000, 0.1842

Protanopia

22.2820, 0.2053, 0.1848

Deuteranopia

22.3989, 0.1929, 0.1869



Tritanopia

22.4952, 0.2218, 0.3072

Trichromacy



Original Color

22.4252, 0.2000, 0.1842

Protanomaly

22.4088, 0.2032, 0.1847

Deuteranomaly

22.3622, 0.1951, 0.1862

Tritanomaly

22.0054, 0.2104, 0.2518

Monochromacy



Original Color

22.4252, 0.2000, 0.1842

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.2695, 0.2581, 0.2666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4252, 0.2000, 0.1842 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(75, 128, 226)` looks like.

```
.text, #text, p{  
  color:rgb(75, 128, 226)  
}
```

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(75, 128, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 128, 226) }
```

Border

The CSS property to change the border of an element to Yxy 22.4252, 0.2000, 0.1842 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(75, 128, 226) }
```

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

```
.border{ border-color:rgb(75, 128, 226) }
```

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

Here you see how a box with a 4 pixel rgb(75, 128, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 128, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 128, 226);  
box-shadow:4px 4px 4px 4px rgb(75, 128,  
226) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.4252, 0.2000, 0.1842$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 128, 226) }
```

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

```
.background{ background-color: rgb(75, 128,  
226) }
```

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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