

Converting Colors

$Y_{xy}(22.2713, 0.2039, 0.1892)$

Have a look what the booklet for
Yxy(22.2713, 0.2039, 0.1892)
contains.

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Color

Yxy(22.3643, 0.2042, 0.1897)

Conversions

Conversions Part 1

Format	Color
Hex	5080DD
RGB	80, 128, 221
RGB Percent	31%, 50%, 87%
CMY	0.6866, 0.4980, 0.1333
CMYK	0.64, 0.42, 0.00, 0.13
HSL	220°, 67%, 59%
HSV	220°, 64%, 87%
XYZ	24.0737, 22.3643, 71.4549
YIQ	124.2500, -58.4610, 18.7470

Conversions

Conversions Part 2

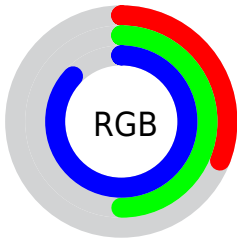
Format	Color
R_{YB}	80, 116, 221
Decimal	5275869
CIE _{Lab}	54.41, 12.86, -52.40
CIE _{LCh}	54, 53.957, 283.784
Yxy	22.3643, 0.2042, 0.1897
Android (android.graphics.Color)	4283465949 (0xFF5080DD)
YUV	124.2500, 47.6977, -38.8073
Hunter-Lab	47.2909, 8.1075, -56.4815

Details

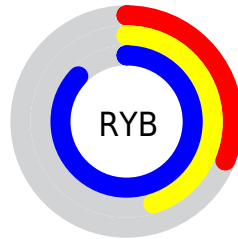
The Yxy color **22.3643, 0.2042, 0.1897** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **45.8056, 0.4359, 0.4322**, and the grayscale version is **20.0917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5252, 0.2364, 0.2373**, and **8.4539, 0.1762, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **18.0252, 0.1893, 0.1645**, and if you desaturate by 10%, it is **27.5666, 0.2209, 0.2152**.

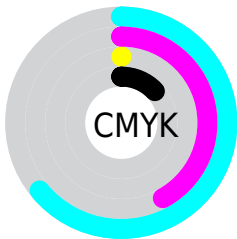
Distribution



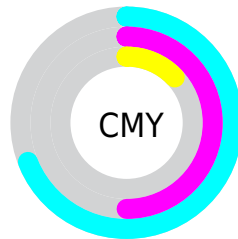
- Red (31%)
- Green (50%)
- Blue (87%)



- Red (31%)
- Yellow (45%)
- Blue (87%)



- Cyan (64%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)



- Cyan (69%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3643, 0.2042, 0.1897 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 22.3643, 0.2042, 0.1897 by changing the saturation by 10% instead.

■ 22.3643, 0.2042,
0.1897

■ 22.3643, 0.2042,
0.1897

264.4429, 0.2618,
0.2606

■ 14.1248, 0.1895,
0.1725

■ 47.3474, 0.2255,
0.2153

■ 8.2075, 0.1708,
0.1512

■ 64.8598, 0.2335,
0.2250

■ 4.2280, 0.1465,
0.1245

■ 86.2319, 0.2401,
0.2332

■ 1.8019, 0.1148,
0.0912

■ 111.8482, 0.2458,
0.2403

■ 0.4884, 0.0747,
0.0469

142.0931, 0.2506,
0.2464

■ 0.0000, 0.0000,
0.0000

177.3509, 0.2548,

0.2517

218.0060, 0.2585,
0.2565

■ 22.3643, 0.2042,
0.1897

■ 22.3643, 0.2042,
0.1897

■ 18.0252, 0.1893,
0.1645

■ 27.5666, 0.2209,
0.2152

■ 14.4917, 0.1770,
0.1408

■ 33.6796, 0.2385,
0.2401

■ 11.7002, 0.1677,
0.1195

■ 40.7497, 0.2565,
0.2636

■ 10.2974, 0.1633,
0.1079

■ 48.8189, 0.2741,
0.2854

■ 57.9267, 0.2910,
0.3051

■ 68.1104, 0.3069,
0.3228

■ 79.4051, 0.3217,
0.3384

■ 91.5146, 0.3341,
0.3522

■ 98.0005, 0.3327,
0.3621

Harmonies

Analogous

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



22.3643, 0.1639, 0.2009



22.3643, 0.2042, 0.1897



22.3643, 0.2772, 0.2060

Triad

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



22.3643, 0.2042, 0.1897



22.3643, 0.5007, 0.3667



22.3643, 0.2384, 0.4398

Complementary

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



22.3643, 0.2042, 0.1897



45.8056, 0.4359, 0.4322

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.



22.3643, 0.3234, 0.5045



22.3643, 0.2042, 0.1897



22.3643, 0.4770, 0.4340

Square

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



22.3643, 0.2042, 0.1897



22.3643, 0.4629, 0.3020



22.3643, 0.4103, 0.4915



22.3643, 0.1788, 0.3321

Rectangle

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



22.3643, 0.2042, 0.1897



22.3643, 0.3409, 0.2301



22.3643, 0.4103, 0.4915



22.3643, 0.2650, 0.4696

Sweetspot

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



22.3650, 0.2042, 0.1897



73.2304, 0.2821, 0.2949



56.3802, 0.2598, 0.4006



14.9129, 0.2772, 0.2891



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.



22.3650, 0.2042, 0.1897



22.9528, 0.1843, 0.1553



13.7194, 0.2029, 0.1307



13.3391, 0.2981, 0.3132



6.1713, 0.1641, 0.1107



0.5566, 0.1733, 0.1437

Inverse Universe

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



22.6582, 0.4455, 0.2759



25.8475, 0.4923, 0.2735



64.5491, 0.3841, 0.4854



13.1244, 0.3238, 0.3211



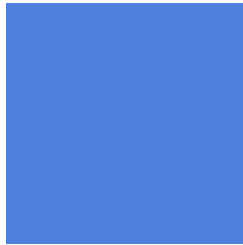
9.2468, 0.5601, 0.2859



0.6149, 0.5142, 0.2606

Previews

White Background



This preview shows how the Yxy color 22.3643, 0.2042, 0.1897 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 22.3643, 0.2042, 0.1897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

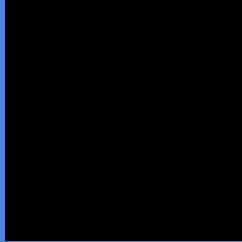
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

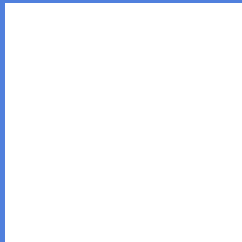
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3643, 0.2042, 0.1897

Background



This preview shows how black text looks on a background with the Yxy color 22.3643, 0.2042, 0.1897.



This preview shows how white text looks on a background with the Yxy color 22.3643, 0.2042, 0.1897.

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

22.3643, 0.2042, 0.1897

Protanopia

22.2098, 0.2096, 0.1903

Deuteranopia

22.4567, 0.1984, 0.1930



Tritanopia

22.4916, 0.2275, 0.3074

Trichromacy



Original Color

22.3643, 0.2042, 0.1897

Protanomaly

22.3245, 0.2074, 0.1901

Deuteranomaly

22.3978, 0.2004, 0.1922

Tritanomaly

22.2321, 0.2171, 0.2573

Monochromacy



Original Color

22.3643, 0.2042, 0.1897

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.3586, 0.2608, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3643, 0.2042, 0.1897 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(80, 128, 221)` looks like.

```
.text, #text, p{  
    color:rgb(80, 128, 221)  
}
```

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(80, 128, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 221) }
```

Border

The CSS property to change the border of an element to Yxy 22.3643, 0.2042, 0.1897 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(80, 128, 221) }
```

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

```
.border{ border-color:rgb(80, 128, 221) }
```

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

Here you see how a box with a 4 pixel rgb(80, 128, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 221);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.3643, 0.2042, 0.1897$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 221) }
```

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

```
.background{ background-color: rgb(80, 128,  
221) }
```

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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