

Converting Colors

$Y_{xy}(22.0488, 0.2043, 0.2099)$

Have a look what the booklet for
Yxy(22.0488, 0.2043, 0.2099)
contains.

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Color

Yxy(22.0155, 0.2043, 0.2097)

Conversions

Conversions Part 1

Format	Color
Hex	3F84CE
RGB	63, 132, 206
RGB Percent	25%, 52%, 81%
CMY	0.7525, 0.4824, 0.1921
CMYK	0.69, 0.36, 0.00, 0.19
HSL	211°, 59%, 53%
HSV	211°, 69%, 81%
XYZ	21.4486, 22.0155, 61.5216
YIQ	119.8050, -64.8780, 8.3860

Conversions

Conversions Part 2

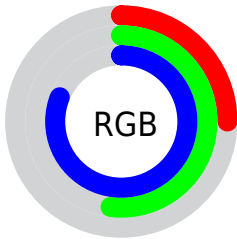
Format	Color
R _{YB}	63, 110, 206
Decimal	4162766
CIE Lab	54.04, 2.50, -44.58
CIE LCh	54, 44.648, 273.206
Yxy	22.0155, 0.2043, 0.2097
Android (android.graphics.Color)	4282352846 (0xFF3F84CE)
YUV	119.8050, 42.4941, -49.8180
Hunter-Lab	46.9207, -0.5145, -44.8956

Details

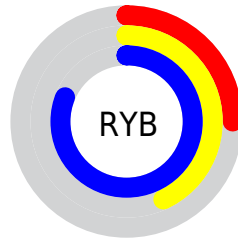
The Yxy color **22.0155, 0.2043, 0.2097** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **31.4191, 0.4669, 0.4152**, and the grayscale version is **18.6040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3535, 0.2297, 0.2419**, and **8.4209, 0.1825, 0.1771** is the 20% darker color. If you saturate the color by 10%, you get **18.7109, 0.1924, 0.1895**, and if you desaturate by 10%, it is **25.8715, 0.2181, 0.2299**.

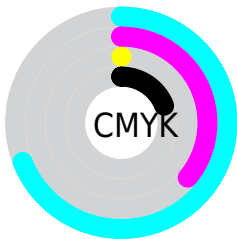
Distribution



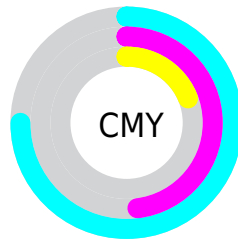
- Red (25%)
- Green (52%)
- Blue (81%)



- Red (25%)
- Yellow (43%)
- Blue (81%)



- Cyan (69%)
- Magenta (36%)
- Yellow (0%)
- Black (19%)



- Cyan (75%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0155, 0.2043, 0.2097 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 22.0155, 0.2043, 0.2097 by changing the saturation by 10% instead.

■ 22.0155, 0.2043,
0.2097

■ 22.0155, 0.2043,
0.2097

262.6272, 0.2620,
0.2727

■ 13.8683, 0.1894,
0.1936

■ 46.7716, 0.2258,
0.2331

■ 8.0291, 0.1701,
0.1729

■ 64.1493, 0.2338,
0.2417

■ 4.1136, 0.1450,
0.1461

■ 85.3726, 0.2404,
0.2490

■ 1.7373, 0.1116,
0.1109

■ 110.8259, 0.2461,
0.2552

■ 0.4476, 0.0633,
0.0583

■ 140.8937, 0.2509,
0.2605

■ 0.0000, 0.0000,
0.0000

175.9602, 0.2551,

0.2651

216.4099, 0.2588,
0.2691

■ 22.0155, 0.2043,
0.2097

■ 22.0155, 0.2043,
0.2097

■ 18.7109, 0.1924,
0.1895

■ 25.8715, 0.2181,
0.2299

■ 15.9168, 0.1829,
0.1700

■ 30.3107, 0.2334,
0.2497

■ 13.5732, 0.1756,
0.1517

■ 35.3641, 0.2495,
0.2685

■ 13.4345, 0.1752,
0.1505

■ 41.0596, 0.2660,
0.2860

■ 47.4232, 0.2823,
0.3021

■ 54.4790, 0.2983,
0.3167

■ 62.2499, 0.3137,
0.3298

■ 70.7577, 0.3282,
0.3414

■ 80.0231, 0.3419,
0.3516

Harmonies

Analogous

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



22.0155, 0.1783, 0.2307



22.0155, 0.2043, 0.2097



22.0155, 0.2585, 0.2153

Triad

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



22.0155, 0.2043, 0.2097



22.0155, 0.4649, 0.3447



22.0155, 0.2760, 0.4441

Complementary

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



22.0155, 0.2043, 0.2097



31.4191, 0.4669, 0.4152

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.



22.0155, 0.3519, 0.4770



22.0155, 0.2043, 0.2097



22.0155, 0.4649, 0.4031

Square

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



22.0155, 0.2043, 0.2097



22.0155, 0.4153, 0.2891



22.0155, 0.4213, 0.4544



22.0155, 0.2143, 0.3641

Rectangle

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



22.0155, 0.2043, 0.2097



22.0155, 0.3082, 0.2318



22.0155, 0.4213, 0.4544



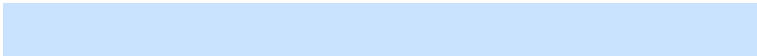
22.0155, 0.3008, 0.4619

Sweetspot

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



22.0162, 0.2043, 0.2097



74.7787, 0.2793, 0.2992



47.0161, 0.2680, 0.4399



15.3777, 0.2747, 0.2948



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.



22.0162, 0.2043, 0.2097



28.0986, 0.1876, 0.1803



9.1665, 0.1809, 0.1095



11.7213, 0.2983, 0.3167



8.4635, 0.1759, 0.1532



0.5884, 0.1860, 0.1896

Inverse Universe

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



18.3581, 0.4274, 0.2498



25.0684, 0.4651, 0.2467



57.2967, 0.4037, 0.4842



11.3022, 0.3216, 0.3179



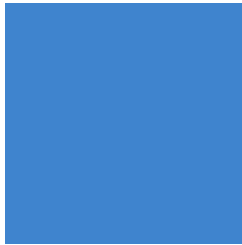
8.6574, 0.5018, 0.2538



0.4619, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 22.0155, 0.2043, 0.2097 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 22.0155, 0.2043, 0.2097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

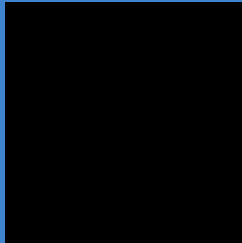
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0155, 0.2043, 0.2097

Background



This preview shows how black text looks on a background with the Yxy color 22.0155, 0.2043, 0.2097.



This preview shows how white text looks on a background with the Yxy color 22.0155, 0.2043, 0.2097.

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

22.0155, 0.2043, 0.2097

Protanopia

21.9055, 0.2257, 0.2116

Deuteranopia

21.9993, 0.2118, 0.2062



Tritanopia

22.1165, 0.2210, 0.3070

Trichromacy



Original Color

22.0155, 0.2043, 0.2097

Protanomaly

21.7764, 0.2162, 0.2099

Deuteranomaly

21.9661, 0.2085, 0.2068

Tritanomaly

21.8397, 0.2127, 0.2659

Monochromacy



Original Color

22.0155, 0.2043, 0.2097

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.3023, 0.2589, 0.2785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0155, 0.2043, 0.2097 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(63, 132, 206)` looks like.

```
.text, #text, p{  
    color:rgb(63, 132, 206)  
}
```

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(63, 132, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 132, 206) }
```

Border

The CSS property to change the border of an element to Yxy 22.0155, 0.2043, 0.2097 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(63, 132, 206) }
```

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

```
.border{ border-color:rgb(63, 132, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 132, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 132, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 132, 206);  
box-shadow:4px 4px 4px 4px rgb(63, 132,  
206) }
```


Background

The CSS property to change the background color of an element to `rgb(22.0155, 0.2043, 0.2097)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 132, 206) }
```

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

```
.background{ background-color: rgb(63, 132,  
206) }
```

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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