

Converting Colors

$Y_{xy}(19.4428, 0.2220, 0.1988)$

Have a look what the booklet for
Yxy(19.4428, 0.2220, 0.1988)
contains.

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Color

Yxy(19.4428, 0.2220, 0.1988)

Conversions

Conversions Part 1

Format	Color
Hex	6275C7
RGB	98, 117, 199
RGB Percent	38%, 46%, 78%
CMY	0.6155, 0.5412, 0.2196
CMYK	0.51, 0.41, 0.00, 0.22
HSL	229°, 47%, 58%
HSV	229°, 51%, 78%
XYZ	21.7118, 19.4428, 56.6462
YIQ	120.6670, -37.6460, 21.4740

Conversions

Conversions Part 2

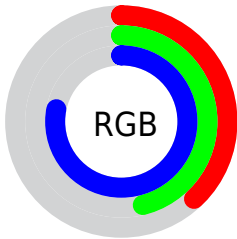
Format	Color
R _Y B	98, 114, 199
Decimal	6452679
CIE Lab	51.20, 15.99, -44.99
CIE LCh	51, 47.747, 289.563
Yxy	19.4428, 0.2220, 0.1988
Android (android.graphics.Color)	4284642759 (0xFF6275C7)
YUV	120.6670, 38.6182, -19.8790
Hunter-Lab	44.0940, 10.7285, -45.3023

Details

The Yxy color **19.4428, 0.2220, 0.1988** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **45.6985, 0.3973, 0.4312**, and the grayscale version is **18.8933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4660, 0.2418, 0.2254**, and **6.7126, 0.1895, 0.1583** is the 20% darker color. If you saturate the color by 10%, you get **15.0226, 0.2031, 0.1686**, and if you desaturate by 10%, it is **24.7903, 0.2415, 0.2287**.

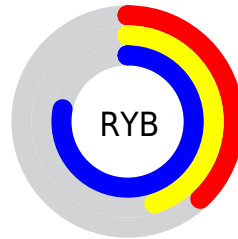
Distribution



Red (38%)

Green (46%)

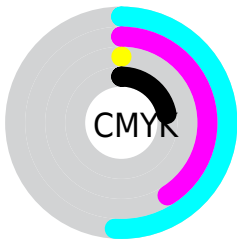
Blue (78%)



Red (38%)

Yellow (45%)

Blue (78%)

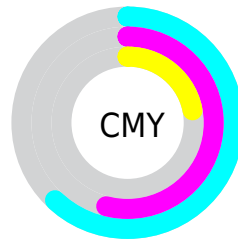


Cyan (51%)

Magenta (41%)

Yellow (0%)

Black (22%)



Cyan (62%)

Magenta (54%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4428, 0.2220, 0.1988 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 19.4428, 0.2220, 0.1988 by changing the saturation by 10% instead.

■ 19.4428, 0.2220,
0.1988

■ 19.4428, 0.2220,
0.1988

■ 248.8825, 0.2722,
0.2670

■ 11.9907, 0.2083,
0.1815

■ 42.4810, 0.2412,
0.2240

■ 6.7373, 0.1902,
0.1595

■ 58.8359, 0.2481,
0.2333

■ 3.2984, 0.1657,
0.1311

■ 78.9271, 0.2539,
0.2412

■ 1.2894, 0.1318,
0.0945

■ 103.1391, 0.2587,
0.2479

■ 0.1330, 0.0819,
0.0211

■ 131.8562, 0.2628,
0.2537

■ 0.0000, 0.0000,
0.0000

165.4629, 0.2664,

0.2587

204.3435, 0.2695,
0.2631

■ 19.4428, 0.2220,
0.1988

■ 19.4428, 0.2220,
0.1988

■ 15.0226, 0.2031,
0.1686

■ 24.7903, 0.2415,
0.2287

■ 11.4733, 0.1860,
0.1396

■ 31.1128, 0.2608,
0.2570

■ 8.7357, 0.1717,
0.1135

■ 38.4569, 0.2791,
0.2831

■ 6.7411, 0.1612,
0.0920

■ 46.8659, 0.2961,
0.3067

■ 5.4674, 0.1547,
0.0770

■ 56.3802, 0.3116,
0.3276

■ 67.0384, 0.3256,
0.3459

■ 78.8769, 0.3381,
0.3619

■ 91.4994, 0.3477,
0.3760

■ 96.9039, 0.3460,
0.3840

Harmonies

Analogous

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



19.4428, 0.1775, 0.2045



19.4428, 0.2220, 0.1988



19.4428, 0.2964, 0.2188

Triad

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



19.4428, 0.2220, 0.1988



19.4428, 0.4881, 0.3786



19.4428, 0.2309, 0.4129

Complementary

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



19.4428, 0.2220, 0.1988



45.6985, 0.3973, 0.4312

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.



19.4428, 0.3080, 0.4845



19.4428, 0.2220, 0.1988



19.4428, 0.4579, 0.4411

Square

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



19.4428, 0.2220, 0.1988



19.4428, 0.4634, 0.3161



19.4428, 0.3909, 0.4876



19.4428, 0.1803, 0.3147

Rectangle

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



19.4428, 0.2220, 0.1988



19.4428, 0.3574, 0.2444



19.4428, 0.3909, 0.4876



19.4428, 0.2545, 0.4429

Sweetspot

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



19.4435, 0.2220, 0.1988



75.2039, 0.2886, 0.2964



46.6978, 0.2582, 0.3590



15.4277, 0.2850, 0.2914



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.



19.4435, 0.2220, 0.1988



25.4998, 0.2010, 0.1651



17.4849, 0.2429, 0.1797



10.6040, 0.2983, 0.3097



3.6112, 0.1553, 0.0789



0.2709, 0.1656, 0.1160

Inverse Universe

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



22.1728, 0.4279, 0.3047



31.8442, 0.4701, 0.3013



50.1380, 0.3596, 0.4631



10.6689, 0.3261, 0.3247



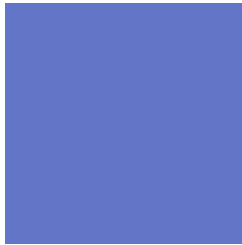
7.9045, 0.6088, 0.3127



0.3844, 0.5523, 0.2816

Previews

White Background



This preview shows how the Yxy color 19.4428, 0.2220, 0.1988 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 19.4428, 0.2220, 0.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

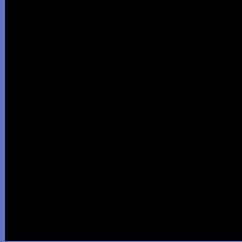
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4428, 0.2220, 0.1988

Background



This preview shows how black text looks on a background with the Yxy color 19.4428, 0.2220, 0.1988.

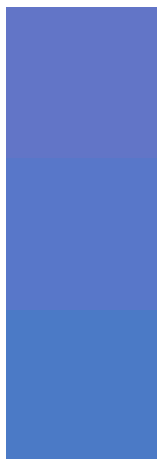


This preview shows how white text looks on a background with the Yxy color 19.4428, 0.2220, 0.1988.

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

19.4428, 0.2220, 0.1988

Protanopia

19.4854, 0.2147, 0.1977

Deuteranopia

19.4921, 0.2096, 0.2037



Tritanopia

19.5210, 0.2522, 0.3089

Trichromacy



Original Color

19.4428, 0.2220, 0.1988

Protanomaly

19.4023, 0.2176, 0.1980

Deuteranomaly

19.3492, 0.2135, 0.2017

Tritanomaly

19.2189, 0.2401, 0.2621

Monochromacy



Original Color

19.4428, 0.2220, 0.1988

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1136, 0.2739, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4428, 0.2220, 0.1988 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(98, 117, 199)` looks like.

```
.text, #text, p{  
    color:rgb(98, 117, 199)  
}
```

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(98, 117, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 117, 199) }
```

Border

The CSS property to change the border of an element to Yxy 19.4428, 0.2220, 0.1988 is called "border". The border property can be set on classes, ids or directly on the HTML element.

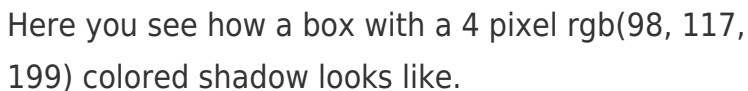
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 117, 199) }
```

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

```
.border{ border-color:rgb(98, 117, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 117, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 117, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 117, 199); box-shadow:4px 4px 4px 4px rgb(98, 117, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4428, 0.2220, 0.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 117, 199) }
```

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

```
.background{ background-color: rgb(98, 117,  
199) }
```

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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