

Converting Colors

$Yxy(22.5723, 0.1995, 0.2178)$

Have a look what the booklet for
Yxy(22.5723, 0.1995, 0.2178)
contains.

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Color

Yxy(22.4394, 0.1993, 0.2170)

Conversions

Conversions Part 1

Format	Color
Hex	2988CC
RGB	41, 136, 204
RGB Percent	16%, 53%, 80%
CMY	0.8400, 0.4666, 0.2001
CMYK	0.80, 0.33, 0.00, 0.20
HSL	205°, 67%, 48%
HSV	205°, 80%, 80%
XYZ	20.6091, 22.4394, 60.3589
YIQ	115.3470, -78.4480, 1.0080

Conversions

Conversions Part 2

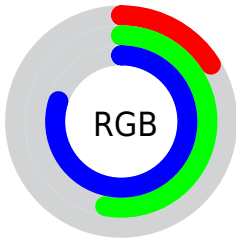
Format	Color
R _Y B	41, 101, 204
Decimal	2721996
CIE Lab	54.49, -3.45, -42.76
CIE LCh	54, 42.899, 265.383
Yxy	22.4394, 0.1993, 0.2170
Android (android.graphics.Color)	4280912076 (0xFF2988CC)
YUV	115.3470, 43.7059, -65.2023
Hunter-Lab	47.3702, -5.2390, -42.3878

Details

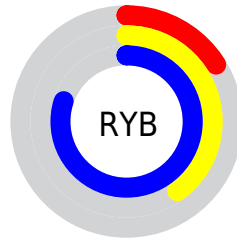
The Yxy color **22.4394, 0.1993, 0.2170** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **23.8768, 0.5150, 0.4001**, and the grayscale version is **17.1209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0599, 0.2243, 0.2458**, and **8.9863, 0.1859, 0.1891** is the 20% darker color. If you saturate the color by 10%, you get **19.8268, 0.1911, 0.2010**, and if you desaturate by 10%, it is **25.4599, 0.2096, 0.2332**.

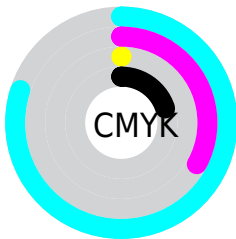
Distribution



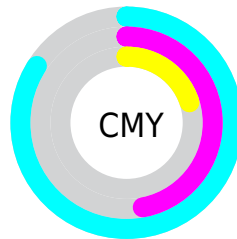
- Red (16%)
- Green (53%)
- Blue (80%)



- Red (16%)
- Yellow (40%)
- Blue (80%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4394, 0.1993, 0.2170 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 22.4394, 0.1993, 0.2170 by changing the saturation by 10% instead.

■ 22.4394, 0.1993,
0.2170

■ 22.4394, 0.1993,
0.2170

264.8324, 0.2592,
0.2769

■ 14.1801, 0.1839,
0.2014

■ 47.4712, 0.2215,
0.2394

■ 8.2460, 0.1642,
0.1813

■ 65.0124, 0.2298,
0.2476

■ 4.2528, 0.1386,
0.1548

■ 86.4165, 0.2367,
0.2545

■ 1.8160, 0.1048,
0.1195

■ 112.0677, 0.2426,
0.2604

■ 0.4971, 0.0527,
0.0675

■ 142.3506, 0.2476,
0.2654

■ 0.0000, 0.0000,
0.0000

177.6493, 0.2520,

0.2697

218.3485, 0.2558,
0.2735

■ 22.4394, 0.1993,
0.2170

■ 22.4394, 0.1993,
0.2170

■ 19.8268, 0.1911,
0.2010

■ 25.4599, 0.2096,
0.2332

■ 17.5608, 0.1849,
0.1856

■ 28.9198, 0.2219,
0.2493

■ 32.8490, 0.2356,
0.2650

■ 37.2734, 0.2504,
0.2799

■ 42.2163, 0.2659,
0.2938

■ 47.6996, 0.2817,
0.3067

■ 53.7436, 0.2974,
0.3184

■ 60.3672, 0.3127,
0.3290

■ 67.5886, 0.3275,
0.3384

Harmonies

Analogous

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



22.4394, 0.1813, 0.2451



22.4394, 0.1993, 0.2170



22.4394, 0.2448, 0.2159

Triad

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



22.4394, 0.1993, 0.2170



22.4394, 0.4500, 0.3302



22.4394, 0.2966, 0.4520

Complementary

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



22.4394, 0.1993, 0.2170



23.8768, 0.5150, 0.4001

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.



22.4394, 0.3696, 0.4690



22.4394, 0.1993, 0.2170



22.4394, 0.4631, 0.3866

Square

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



22.4394, 0.1993, 0.2170



22.4394, 0.3924, 0.2782



22.4394, 0.4313, 0.4386



22.4394, 0.2318, 0.3844

Rectangle

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



22.4394, 0.1993, 0.2170



22.4394, 0.2890, 0.2282



22.4394, 0.4313, 0.4386



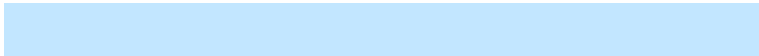
22.4394, 0.3210, 0.4641

Sweetspot

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



22.4401, 0.1993, 0.2170



74.9864, 0.2749, 0.3013



44.6854, 0.2766, 0.4925



15.3564, 0.2692, 0.2966



0.0000, 0.0000, 0.0000



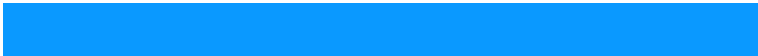
21.4041, 0.3127, 0.3290

Same Dimension

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



22.4401, 0.1993, 0.2170



30.0867, 0.1866, 0.1898



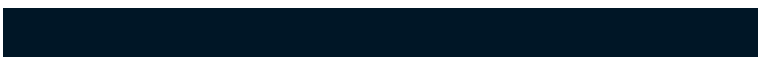
7.7627, 0.1681, 0.0983



11.9134, 0.2983, 0.3191



11.2428, 0.1855, 0.1877



0.7277, 0.1939, 0.2181

Inverse Universe

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



16.1841, 0.4234, 0.2275



23.7832, 0.4566, 0.2306



48.8150, 0.4267, 0.4822



11.3216, 0.3200, 0.3156



8.9380, 0.4594, 0.2305



0.4760, 0.4252, 0.2116

Previews

White Background



This preview shows how the Yxy color 22.4394, 0.1993, 0.2170 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 22.4394, 0.1993, 0.2170 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

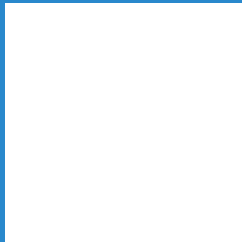
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4394, 0.1993, 0.2170

Background



This preview shows how black text looks on a background with the Yxy color 22.4394, 0.1993, 0.2170.



This preview shows how white text looks on a background with the Yxy color 22.4394, 0.1993, 0.2170.

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

22.4394, 0.1993, 0.2170

Protanopia

22.1675, 0.2319, 0.2199

Deuteranopia

22.4477, 0.2154, 0.2098



Tritanopia

22.3131, 0.2186, 0.3070

Trichromacy



Original Color

22.4394, 0.1993, 0.2170

Protanomaly

21.8826, 0.2161, 0.2172

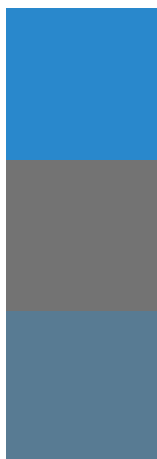
Deuteranomaly

22.2124, 0.2078, 0.2117

Tritanomaly

22.1684, 0.2097, 0.2692

Monochromacy



Original Color

22.4394, 0.1993, 0.2170

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.3472, 0.2519, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4394, 0.1993, 0.2170 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(41, 136, 204)` looks like.

```
.text, #text, p{  
    color:rgb(41, 136, 204)  
}
```

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(41, 136, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 136, 204) }
```

Border

The CSS property to change the border of an element to Yxy 22.4394, 0.1993, 0.2170 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(41, 136, 204) }
```

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

```
.border{ border-color:rgb(41, 136, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 136, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 136, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 136, 204);  
box-shadow:4px 4px 4px 4px rgb(41, 136,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4394, 0.1993, 0.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 136, 204) }
```

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

```
.background{ background-color: rgb(41, 136,  
204) }
```

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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