

Converting Colors

$Y_{xy}(22.2589, 0.2289, 0.2746)$

Have a look what the booklet for
Yxy(22.2589, 0.2289, 0.2746)
contains.

Yxy(22.2331, 0.2285, 0.2740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.2331, 0.2285, 0.2740)$

Conversions

Conversions Part 1

Format	Color
Hex	448AA8
RGB	68, 138, 168
RGB Percent	27%, 54%, 66%
CMY	0.7333, 0.4588, 0.3411
CMYK	0.60, 0.18, 0.00, 0.34
HSL	198°, 42%, 46%
HSV	198°, 60%, 66%
XYZ	18.5411, 22.2331, 40.3685
YIQ	120.4900, -51.3500, -5.5100

Conversions

Conversions Part 2

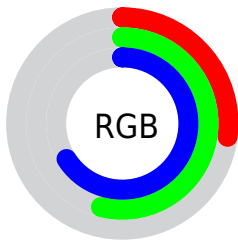
Format	Color
R _Y B	68, 109, 168
Decimal	4491944
CIE Lab	54.27, -12.92, -22.52
CIE LCh	54, 25.961, 240.149
Yxy	22.2331, 0.2285, 0.2740
Android (android.graphics.Color)	4282682024 (0xFF448AA8)
YUV	120.4900, 23.4224, -46.0337
Hunter-Lab	47.1520, -12.3262, -17.7539

Details

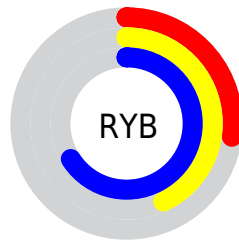
The Yxy color **22.2331, 0.2285, 0.2740** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.4820, 0.4612, 0.3739**, and the grayscale version is **18.8836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9493, 0.2462, 0.2861**, and **8.2404, 0.2035, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **20.3005, 0.2179, 0.2629**, and if you desaturate by 10%, it is **24.4076, 0.2406, 0.2848**.

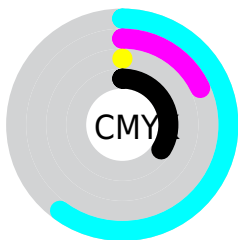
Distribution



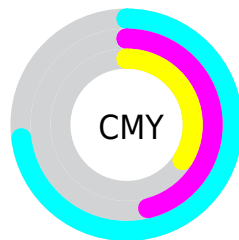
- Red (27%)
- Green (54%)
- Blue (66%)



- Red (27%)
- Yellow (43%)
- Blue (66%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (34%)



- Cyan (73%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2331, 0.2285, 0.2740 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 22.2331, 0.2285, 0.2740 by changing the saturation by 10% instead.

■ 22.2331, 0.2285,
0.2740

■ 22.2331, 0.2285,
0.2740

263.7612, 0.2742,
0.3053

■ 14.0283, 0.2160,
0.2648

■ 47.1310, 0.2460,
0.2864

■ 8.1403, 0.1992,
0.2521

■ 64.5928, 0.2523,
0.2907

■ 4.1849, 0.1760,
0.2335

■ 85.9091, 0.2575,
0.2943

■ 1.7775, 0.1422,
0.2046

■ 111.4642, 0.2619,
0.2972

■ 0.4731, 0.0421,
0.1483

■ 141.6426, 0.2656,
0.2997

■ 0.0000, 0.0000,
0.0000

176.8286, 0.2689,

0.3018

217.4067, 0.2717,
0.3037

■ 22.2331, 0.2285,
0.2740

■ 22.2331, 0.2285,
0.2740

■ 20.3005, 0.2179,
0.2629

■ 24.4076, 0.2406,
0.2848

■ 18.5912, 0.2092,
0.2517

■ 26.8360, 0.2540,
0.2950

■ 17.0873, 0.2023,
0.2405

■ 29.5320, 0.2683,
0.3047

■ 15.7502, 0.1971,
0.2294

■ 32.5075, 0.2832,
0.3137

■ 15.6896, 0.1969,
0.2288

■ 35.7737, 0.2983,
0.3219

■ 39.3410, 0.3134,
0.3293

■ 43.2193, 0.3283,
0.3360

■ 47.4178, 0.3428,
0.3420

■ 51.9456, 0.3567,
0.3473

Harmonies

Analogous

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



22.2331, 0.2333, 0.3092



22.2331, 0.2285, 0.2740



22.2331, 0.2438, 0.2564

Triad

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



22.2331, 0.2285, 0.2740



22.2331, 0.3682, 0.3027



22.2331, 0.3439, 0.4129

Complementary

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



22.2331, 0.2285, 0.2740



17.4820, 0.4612, 0.3739

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.



22.2331, 0.3833, 0.4035



22.2331, 0.2285, 0.2740



22.2331, 0.3991, 0.3388

Square

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



22.2331, 0.2285, 0.2740



22.2331, 0.3225, 0.2737



22.2331, 0.4043, 0.3752



22.2331, 0.2980, 0.3952

Rectangle

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



22.2331, 0.2285, 0.2740



22.2331, 0.2643, 0.2548



22.2331, 0.4043, 0.3752



22.2331, 0.3584, 0.4126

Sweetspot

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



22.2339, 0.2285, 0.2740



59.6585, 0.2850, 0.3147



30.1227, 0.2856, 0.4627



12.6579, 0.2808, 0.3123



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.2339, 0.2285, 0.2740



35.9304, 0.2153, 0.2598



11.0361, 0.2071, 0.1766



8.1462, 0.2987, 0.3221



11.9381, 0.1972, 0.2299



0.3735, 0.2074, 0.2665

Inverse Universe

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



14.2956, 0.3637, 0.2280



21.7288, 0.3792, 0.2134



29.9283, 0.4117, 0.4434



7.6277, 0.3181, 0.3133



7.2762, 0.4127, 0.2047



0.1854, 0.3761, 0.1846

Previews

White Background



This preview shows how the Yxy color 22.2331, 0.2285, 0.2740 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 22.2331, 0.2285, 0.2740 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 22.2331, 0.2285, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 22.2331, 0.2285, 0.2740.

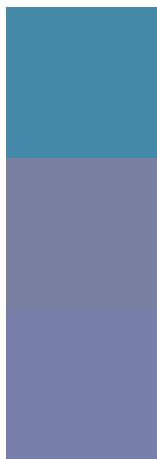


This preview shows how white text looks on a background with the Yxy color 22.2331, 0.2285, 0.2740.

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

22.2331, 0.2285, 0.2740

Protanopia

22.0765, 0.2723, 0.2728

Deuteranopia

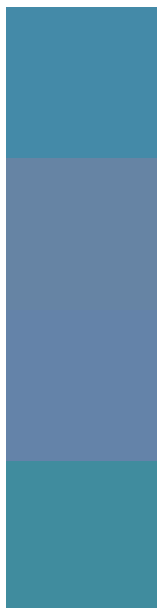
22.0030, 0.2625, 0.2572



Tritanopia

22.3089, 0.2360, 0.3076

Trichromacy



Original Color

22.2331, 0.2285, 0.2740

Protanomaly

22.0076, 0.2531, 0.2726

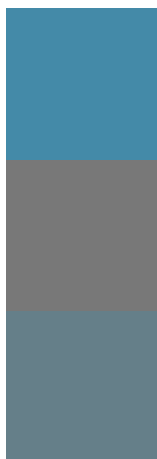
Deuteranomaly

21.8065, 0.2474, 0.2627

Tritanomaly

22.3148, 0.2333, 0.2948

Monochromacy



Original Color

22.2331, 0.2285, 0.2740

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.7516, 0.2739, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2331, 0.2285, 0.2740 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(68, 138, 168)` looks like.

```
.text, #text, p{  
    color:rgb(68, 138, 168)  
}
```

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(68, 138, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 138, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.2331, 0.2285, 0.2740 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(68, 138, 168) }
```

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

```
.border{ border-color:rgb(68, 138, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 138, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 138, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 138, 168);  
box-shadow:4px 4px 4px 4px rgb(68, 138,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2331, 0.2285, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 138, 168) }
```

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

```
.background{ background-color: rgb(68, 138,  
168) }
```

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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