

Converting Colors

$Y_{xy}(27.7780, 0.2201, 0.2699)$

Have a look what the booklet for
Yxy(27.7780, 0.2201, 0.2699)
contains.

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Color

$Y_{xy}(27.7460, 0.2202, 0.2703)$

Conversions

Conversions Part 1

Format	Color
Hex	3C9ABD
RGB	60, 154, 189
RGB Percent	24%, 60%, 74%
CMY	0.7647, 0.3961, 0.2589
CMYK	0.68, 0.19, 0.00, 0.26
HSL	196°, 52%, 49%
HSV	196°, 68%, 74%
XYZ	22.6033, 27.7460, 52.2996
YIQ	129.8840, -67.2590, -9.0430

Conversions

Conversions Part 2

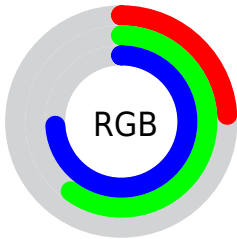
Format	Color
R_{YB}	60, 114, 189
Decimal	3971773
CIE _{Lab}	59.66, -16.34, -26.18
CIE _{LCh}	60, 30.864, 238.037
Yxy	27.7460, 0.2202, 0.2703
Android (android.graphics.Color)	4282161853 (0xFF3C9ABD)
YUV	129.8840, 29.1442, -61.2883
Hunter-Lab	52.6745, -15.5837, -21.9959

Details

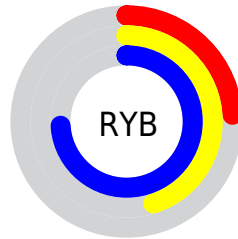
The Yxy color **27.7460, 0.2202, 0.2703** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.3268, 0.4992, 0.3727**, and the grayscale version is **22.1945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8419, 0.2382, 0.2826**, and **11.4781, 0.2030, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **25.6035, 0.2117, 0.2602**, and if you desaturate by 10%, it is **30.1729, 0.2306, 0.2803**.

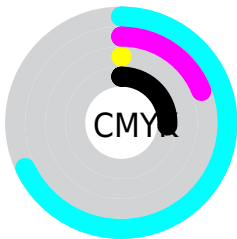
Distribution



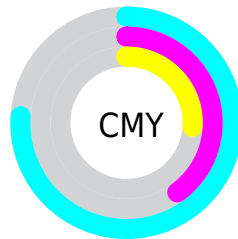
- Red (24%)
- Green (60%)
- Blue (74%)



- Red (24%)
- Yellow (45%)
- Blue (74%)



- Cyan (68%)
- Magenta (19%)
- Yellow (0%)
- Black (26%)



- Cyan (76%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7460, 0.2202, 0.2703 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 27.7460, 0.2202, 0.2703 by changing the saturation by 10% instead.

■ 27.7460, 0.2202,
0.2703

■ 27.7460, 0.2202,
0.2703

■ 291.2512, 0.2684,
0.3027

■ 18.1343, 0.2077,
0.2612

■ 56.0787, 0.2381,
0.2828

■ 11.0464, 0.1916,
0.2491

■ 75.5684, 0.2447,
0.2873

■ 6.0981, 0.1700,
0.2320

■ 99.1196, 0.2503,
0.2910

■ 2.9048, 0.1403,
0.2068

■ 127.1166, 0.2550,
0.2941

■ 1.0822, 0.0957,
0.1677

■ 159.9439, 0.2591,
0.2967

■ 0.0000, 0.0000,
0.0000

197.9858, 0.2626,

0.2990

241.6268, 0.2657,
0.3010

■ 27.7460, 0.2202,
0.2703

■ 27.7460, 0.2202,
0.2703

■ 25.6035, 0.2117,
0.2602

■ 30.1729, 0.2306,
0.2803

■ 23.7180, 0.2051,
0.2500

■ 32.9021, 0.2426,
0.2900

■ 22.0520, 0.2003,
0.2400

■ 35.9534, 0.2558,
0.2992

■ 21.7720, 0.1995,
0.2383

■ 39.3435, 0.2701,
0.3079

■ 43.0880, 0.2850,
0.3160

■ 47.2012, 0.3002,
0.3234

■ 51.6968, 0.3154,
0.3301

■ 56.5874, 0.3304,
0.3362

■ 61.8852, 0.3451,
0.3415

Harmonies

Analogous

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



27.7460, 0.2268, 0.3100



27.7460, 0.2202, 0.2703



27.7460, 0.2353, 0.2500

Triad

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



27.7460, 0.2202, 0.2703



27.7460, 0.3708, 0.2974



27.7460, 0.3501, 0.4222

Complementary

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



27.7460, 0.2202, 0.2703



19.3268, 0.4992, 0.3727

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.



27.7460, 0.3926, 0.4091



27.7460, 0.2202, 0.2703



27.7460, 0.4066, 0.3363

Square

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



27.7460, 0.2202, 0.2703



27.7460, 0.3196, 0.2667



27.7460, 0.4143, 0.3764



27.7460, 0.2996, 0.4052

Rectangle

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



27.7460, 0.2202, 0.2703



27.7460, 0.2567, 0.2477



27.7460, 0.4143, 0.3764



27.7460, 0.3658, 0.4208

Sweetspot

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



27.7470, 0.2202, 0.2703



75.7382, 0.2818, 0.3144



38.1655, 0.2864, 0.4947



15.8759, 0.2776, 0.3122



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



27.7470, 0.2202, 0.2703



44.0975, 0.2081, 0.2550



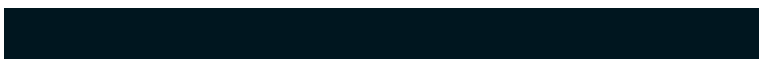
11.9648, 0.1927, 0.1567



10.3599, 0.2985, 0.3226



14.7833, 0.1999, 0.2395



0.6822, 0.2065, 0.2635

Inverse Universe

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



16.3833, 0.3690, 0.2126



24.9158, 0.3858, 0.2010



35.9025, 0.4300, 0.4517



9.6509, 0.3178, 0.3124



8.5221, 0.4028, 0.1992



0.3442, 0.3791, 0.1862

Previews

White Background



This preview shows how the Yxy color 27.7460, 0.2202, 0.2703 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 27.7460, 0.2202, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

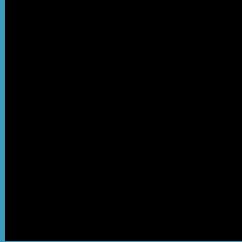
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7460, 0.2202, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 27.7460, 0.2202, 0.2703.

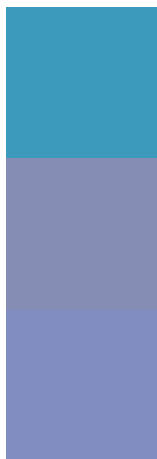


This preview shows how white text looks on a background with the Yxy color 27.7460, 0.2202, 0.2703.

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

27.7460, 0.2202, 0.2703

Protanopia

27.3316, 0.2696, 0.2685

Deuteranopia

27.5227, 0.2570, 0.2518



Tritanopia

27.6446, 0.2270, 0.3056

Trichromacy



Original Color

27.7460, 0.2202, 0.2703

Protanomaly

27.0408, 0.2464, 0.2690

Deuteranomaly

27.2624, 0.2398, 0.2575

Tritanomaly

27.6813, 0.2242, 0.2922

Monochromacy



Original Color

27.7460, 0.2202, 0.2703

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.7029, 0.2677, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7460, 0.2202, 0.2703 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(60, 154, 189)` looks like.

```
.text, #text, p{  
    color:rgb(60, 154, 189)  
}
```

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(60, 154, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 154, 189) }
```

Border

The CSS property to change the border of an element to Yxy 27.7460, 0.2202, 0.2703 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(60, 154, 189) }
```

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

```
.border{ border-color:rgb(60, 154, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 154, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 154, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 154, 189);  
box-shadow:4px 4px 4px 4px rgb(60, 154,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7460, 0.2202, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 154, 189) }
```

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

```
.background{ background-color: rgb(60, 154,  
189) }
```

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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