

Converting Colors

$Y_{xy}(27.6806, 0.2245, 0.2754)$

Have a look what the booklet for
Yxy(27.6806, 0.2245, 0.2754)
contains.

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Color

$\text{Yxy}(27.7722, 0.2247, 0.2766)$

Conversions

Conversions Part 1

Format	Color
Hex	429AB9
RGB	66, 154, 185
RGB Percent	26%, 60%, 73%
CMY	0.7410, 0.3961, 0.2745
CMYK	0.64, 0.17, 0.00, 0.27
HSL	196°, 47%, 49%
HSV	196°, 64%, 73%
XYZ	22.5611, 27.7722, 50.0723
YIQ	131.2220, -62.3990, -9.0150

Conversions

Conversions Part 2

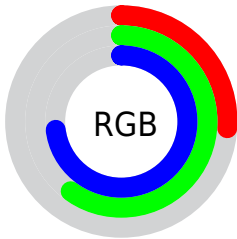
Format	Color
R _Y B	66, 117, 185
Decimal	4364985
CIE Lab	59.68, -16.63, -23.89
CIE LCh	60, 29.109, 235.149
Yxy	27.7722, 0.2247, 0.2766
Android (android.graphics.Color)	4282555065 (0xFF429AB9)
YUV	131.2220, 26.5126, -57.1997
Hunter-Lab	52.6993, -15.8061, -19.4449

Details

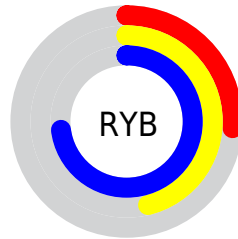
The Yxy color **27.7722, 0.2247, 0.2766** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.2661, 0.4852, 0.3699**, and the grayscale version is **22.7044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8982, 0.2419, 0.2874**, and **11.3664, 0.2052, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **25.6710, 0.2156, 0.2669**, and if you desaturate by 10%, it is **30.1472, 0.2356, 0.2861**.

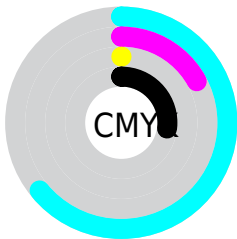
Distribution



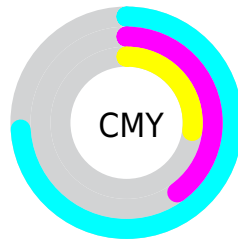
- Red (26%)
- Green (60%)
- Blue (73%)



- Red (26%)
- Yellow (46%)
- Blue (73%)



- Cyan (64%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (74%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7722, 0.2247, 0.2766 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 27.7722, 0.2247, 0.2766 by changing the saturation by 10% instead.

■ 27.7722, 0.2247,
0.2766

■ 27.7722, 0.2247,
0.2766

■ 291.3768, 0.2707,
0.3057

■ 18.1540, 0.2127,
0.2684

■ 56.1205, 0.2418,
0.2879

■ 11.0606, 0.1971,
0.2573

■ 75.6195, 0.2482,
0.2919

■ 6.1076, 0.1762,
0.2416

■ 99.1808, 0.2534,
0.2952

■ 2.9106, 0.1470,
0.2180

■ 127.1889, 0.2579,
0.2980

■ 1.0853, 0.1020,
0.1806

■ 160.0281, 0.2618,
0.3004

■ 0.0000, 0.0000,
0.0000

198.0829, 0.2652,

0.3024

241.7377, 0.2681,
0.3042

■ 27.7722, 0.2247,
0.2766

■ 27.7722, 0.2247,
0.2766

■ 25.6710, 0.2156,
0.2669

■ 30.1472, 0.2356,
0.2861

■ 23.8189, 0.2084,
0.2572

■ 32.8117, 0.2480,
0.2952

■ 22.1911, 0.2031,
0.2476

■ 35.7837, 0.2616,
0.3038

■ 21.3339, 0.2006,
0.2422

■ 39.0785, 0.2760,
0.3119

■ 42.7103, 0.2910,
0.3194

■ 46.6924, 0.3062,
0.3263

■ 51.0371, 0.3213,
0.3324

■ 55.7563, 0.3363,
0.3380

■ 60.8611, 0.3508,
0.3429

Harmonies

Analogous

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



27.7722, 0.2331, 0.3158



27.7722, 0.2247, 0.2766



27.7722, 0.2372, 0.2553

Triad

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



27.7722, 0.2247, 0.2766



27.7722, 0.3632, 0.2960



27.7722, 0.3527, 0.4167

Complementary

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



27.7722, 0.2247, 0.2766



19.2661, 0.4852, 0.3699

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.



27.7722, 0.3913, 0.4025



27.7722, 0.2247, 0.2766



27.7722, 0.3990, 0.3325

Square

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



27.7722, 0.2247, 0.2766



27.7722, 0.3145, 0.2677



27.7722, 0.4091, 0.3708



27.7722, 0.3051, 0.4033

Rectangle

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



27.7722, 0.2247, 0.2766



27.7722, 0.2564, 0.2517



27.7722, 0.4091, 0.3708



27.7722, 0.3672, 0.4147

Sweetspot

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



27.7732, 0.2247, 0.2766



73.1570, 0.2834, 0.3158



36.6998, 0.2880, 0.4870



15.3782, 0.2792, 0.3136



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



27.7732, 0.2247, 0.2766



44.6116, 0.2125, 0.2631



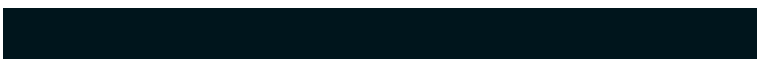
12.9881, 0.2002, 0.1714



9.8037, 0.2985, 0.3229



14.6487, 0.2010, 0.2434



0.6109, 0.2078, 0.2680

Inverse Universe

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



16.5487, 0.3626, 0.2159



25.0055, 0.3774, 0.2022



34.2388, 0.4252, 0.4444



9.1217, 0.3176, 0.3123



8.2611, 0.3989, 0.1971



0.3008, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 27.7722, 0.2247, 0.2766 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 27.7722, 0.2247, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

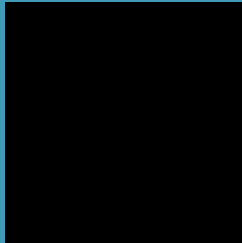
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7722, 0.2247, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 27.7722, 0.2247, 0.2766.

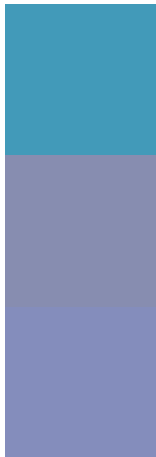


This preview shows how white text looks on a background with the Yxy color 27.7722, 0.2247, 0.2766.

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

27.7722, 0.2247, 0.2766

Protanopia

27.3352, 0.2746, 0.2745

Deuteranopia

27.5861, 0.2625, 0.2575



Tritanopia

27.8781, 0.2312, 0.3075

Trichromacy



Original Color

27.7722, 0.2247, 0.2766

Protanomaly

27.1274, 0.2521, 0.2753

Deuteranomaly

27.3338, 0.2452, 0.2635

Tritanomaly

27.8642, 0.2287, 0.2958

Monochromacy



Original Color

27.7722, 0.2247, 0.2766

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.8254, 0.2695, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7722, 0.2247, 0.2766 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(66, 154, 185)` looks like.

```
.text, #text, p{  
    color:rgb(66, 154, 185)  
}
```

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(66, 154, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 154, 185) }
```

Border

The CSS property to change the border of an element to Yxy 27.7722, 0.2247, 0.2766 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(66, 154, 185) }
```

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

```
.border{ border-color:rgb(66, 154, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 154, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 154, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 154, 185);  
box-shadow:4px 4px 4px 4px rgb(66, 154,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7722, 0.2247, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 154, 185) }
```

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

```
.background{ background-color: rgb(66, 154,  
185) }
```

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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