

Converting Colors

$Yxy(27.6007, 0.2215, 0.2474)$

Have a look what the booklet for
Yxy(27.6007, 0.2215, 0.2474)
contains.

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Color

$\text{Yxy}(27.7352, 0.2214, 0.2481)$

Conversions

Conversions Part 1

Format	Color
Hex	5096C9
RGB	80, 150, 201
RGB Percent	31%, 59%, 79%
CMY	0.6867, 0.4117, 0.2118
CMYK	0.60, 0.25, 0.00, 0.21
HSL	205°, 53%, 55%
HSV	205°, 60%, 79%
XYZ	24.7504, 27.7352, 59.3048
YIQ	134.8840, -58.0910, 1.0210

Conversions

Conversions Part 2

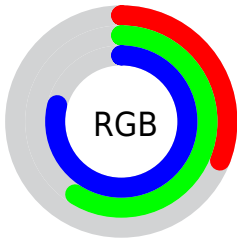
Format	Color
R_{YB}	80, 124, 201
Decimal	5281481
CIE _{Lab}	59.65, -6.78, -32.90
CIE _{LCh}	60, 33.596, 258.352
Yxy	27.7352, 0.2214, 0.2481
Android (android.graphics.Color)	4283471561 (0xFF5096C9)
YUV	134.8840, 32.5952, -48.1333
Hunter-Lab	52.6642, -8.2734, -29.9011

Details

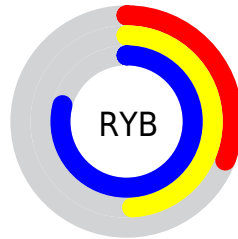
The Yxy color **27.7352, 0.2214, 0.2481** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **29.1962, 0.4529, 0.3932**, and the grayscale version is **24.0686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8947, 0.2407, 0.2675**, and **11.0303, 0.1946, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **24.3852, 0.2092, 0.2318**, and if you desaturate by 10%, it is **31.5437, 0.2352, 0.2639**.

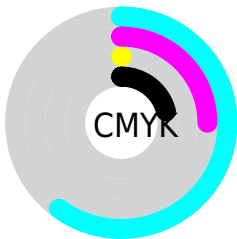
Distribution



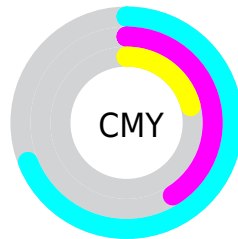
- Red (31%)
- Green (59%)
- Blue (79%)



- Red (31%)
- Yellow (49%)
- Blue (79%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)



- Cyan (69%)
- Magenta (41%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7352, 0.2214, 0.2481 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 27.7352, 0.2214, 0.2481 by changing the saturation by 10% instead.

■ 27.7352, 0.2214,
0.2481

■ 27.7352, 0.2214,
0.2481

■ 291.1994, 0.2690,
0.2912

■ 18.1261, 0.2092,
0.2367

■ 56.0614, 0.2390,
0.2643

■ 11.0406, 0.1934,
0.2218

■ 75.5473, 0.2455,
0.2702

■ 6.0941, 0.1725,
0.2016

■ 99.0943, 0.2510,
0.2752

■ 2.9024, 0.1438,
0.1733

■ 127.0868, 0.2557,
0.2794

■ 1.0810, 0.1039,
0.1322

■ 159.9092, 0.2597,
0.2830

■ 0.0000, 0.0000,
0.0000

197.9458, 0.2632,

0.2861

241.5811, 0.2663,
0.2888

■ 27.7352, 0.2214,
0.2481

■ 27.7352, 0.2214,
0.2481

■ 24.3852, 0.2092,
0.2318

■ 31.5437, 0.2352,
0.2639

■ 21.4626, 0.1988,
0.2154

■ 35.8330, 0.2500,
0.2790

■ 18.9354, 0.1906,
0.1993

■ 40.6268, 0.2655,
0.2932

■ 16.7949, 0.1845,
0.1841

■ 45.9463, 0.2813,
0.3062

■ 51.8113, 0.2970,
0.3181

■ 58.2401, 0.3123,
0.3288

■ 65.2503, 0.3272,
0.3383

■ 72.8587, 0.3413,
0.3468

■ 79.9644, 0.3504,
0.3546

Harmonies

Analogous

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



27.7352, 0.2126, 0.2767



27.7352, 0.2214, 0.2481



27.7352, 0.2524, 0.2413

Triad

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



27.7352, 0.2214, 0.2481



27.7352, 0.4053, 0.3223



27.7352, 0.3157, 0.4224

Complementary

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



27.7352, 0.2214, 0.2481



29.1962, 0.4529, 0.3932

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.



27.7352, 0.3694, 0.4291



27.7352, 0.2214, 0.2481



27.7352, 0.4243, 0.3659

Square

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



27.7352, 0.2214, 0.2481



27.7352, 0.3587, 0.2828



27.7352, 0.4100, 0.4055



27.7352, 0.2638, 0.3819

Rectangle

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



27.7352, 0.2214, 0.2481



27.7352, 0.2836, 0.2478



27.7352, 0.4100, 0.4055



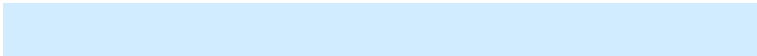
27.7352, 0.3342, 0.4287

Sweetspot

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



27.7362, 0.2214, 0.2481



80.5945, 0.2844, 0.3087



45.0945, 0.2774, 0.4430



16.6431, 0.2798, 0.3050



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.



27.7362, 0.2214, 0.2481



40.2982, 0.2061, 0.2273



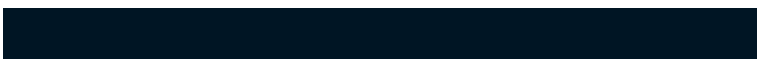
13.2296, 0.1997, 0.1510



11.2903, 0.2983, 0.3190



10.7449, 0.1851, 0.1863



0.6498, 0.1942, 0.2191

Inverse Universe

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



20.3428, 0.3869, 0.2425



29.0200, 0.4109, 0.2314



50.2153, 0.4039, 0.4595



10.7382, 0.3201, 0.3157



8.6247, 0.4611, 0.2314



0.4226, 0.4242, 0.2111

Previews

White Background



This preview shows how the Yxy color 27.7352, 0.2214, 0.2481 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 27.7352, 0.2214, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

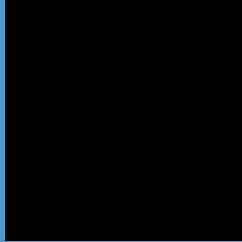
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

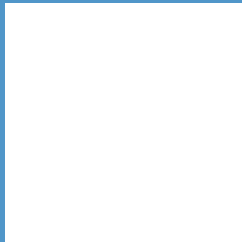
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7352, 0.2214, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 27.7352, 0.2214, 0.2481.

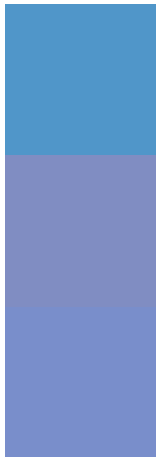


This preview shows how white text looks on a background with the Yxy color 27.7352, 0.2214, 0.2481.

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

27.7352, 0.2214, 0.2481

Protanopia

27.5340, 0.2547, 0.2490

Deuteranopia

27.7227, 0.2434, 0.2381



Tritanopia

27.7653, 0.2339, 0.3059

Trichromacy



Original Color

27.7352, 0.2214, 0.2481

Protanomaly

27.3572, 0.2404, 0.2472

Deuteranomaly

27.5792, 0.2343, 0.2417

Tritanomaly

27.7495, 0.2287, 0.2830

Monochromacy



Original Color

27.7352, 0.2214, 0.2481

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.9042, 0.2702, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7352, 0.2214, 0.2481 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(80, 150, 201)` looks like.

```
.text, #text, p{  
    color:rgb(80, 150, 201)  
}
```

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(80, 150, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 150, 201) }
```

Border

The CSS property to change the border of an element to Yxy 27.7352, 0.2214, 0.2481 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(80, 150, 201) }
```

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

```
.border{ border-color:rgb(80, 150, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 150, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 150, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 150, 201);  
box-shadow:4px 4px 4px 4px rgb(80, 150,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7352, 0.2214, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 150, 201) }
```

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

```
.background{ background-color: rgb(80, 150,  
201) }
```

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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