

Converting Colors

$Y_{xy}(27.8415, 0.2009, 0.2236)$

Have a look what the booklet for
Yxy(27.8415, 0.2009, 0.2236)
contains.

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Color

$\text{Yxy}(27.8360, 0.2008, 0.2234)$

Conversions

Conversions Part 1

Format	Color
Hex	2C97DC
RGB	44, 151, 220
RGB Percent	17%, 59%, 86%
CMY	0.8275, 0.4078, 0.1374
CMYK	0.80, 0.31, 0.00, 0.14
HSL	204°, 72%, 52%
HSV	204°, 80%, 86%
XYZ	25.0200, 27.8360, 71.7456
YIQ	126.8730, -85.9210, -1.2250

Conversions

Conversions Part 2

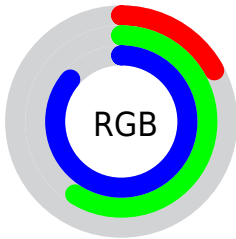
Format	Color
R_{YB}	44, 111, 220
Decimal	2922460
CIE _{Lab}	59.74, -6.02, -43.45
CIE _{LCh}	60, 43.866, 262.109
Yxy	27.8360, 0.2008, 0.2234
Android (android.graphics.Color)	4281112540 (0xFF2C97DC)
YUV	126.8730, 45.9116, -72.6796
Hunter-Lab	52.7598, -7.6806, -43.6938

Details

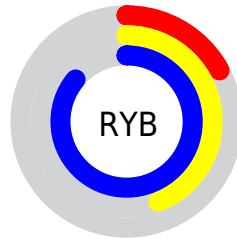
The Yxy color **27.8360, 0.2008, 0.2234** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **27.1945, 0.5213, 0.3953**, and the grayscale version is **21.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6646, 0.2308, 0.2672**, and **11.8310, 0.1877, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **24.7978, 0.1930, 0.2083**, and if you desaturate by 10%, it is **31.3368, 0.2107, 0.2387**.

Distribution



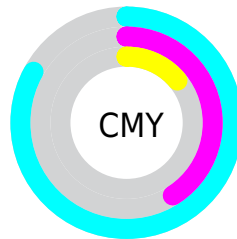
- Red (17%)
- Green (59%)
- Blue (86%)



- Red (17%)
- Yellow (44%)
- Blue (86%)



- Cyan (80%)
- Magenta (31%)
- Yellow (0%)
- Black (14%)



- Cyan (83%)
- Magenta (41%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8360, 0.2008, 0.2234 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 27.8360, 0.2008, 0.2234 by changing the saturation by 10% instead.

■ 27.8360, 0.2008,
0.2234

■ 27.8360, 0.2008,
0.2234

■ 291.6824, 0.2580,
0.2784

■ 18.2021, 0.1867,
0.2095

■ 56.2225, 0.2216,
0.2436

■ 11.0952, 0.1689,
0.1918

■ 75.7439, 0.2294,
0.2512

■ 6.1309, 0.1461,
0.1687

■ 99.3298, 0.2360,
0.2576

■ 2.9248, 0.1165,
0.1381

■ 127.3648, 0.2417,
0.2630

■ 1.0926, 0.0785,
0.0976

■ 160.2331, 0.2466,
0.2676

■ 0.0000, 0.0000,
0.0000

198.3192, 0.2509,

0.2717

242.0076, 0.2547,
0.2753

■ 27.8360, 0.2008,
0.2234

■ 27.8360, 0.2008,
0.2234

■ 24.7978, 0.1930,
0.2083

■ 31.3368, 0.2107,
0.2387

■ 22.1518, 0.1871,
0.1936

■ 35.3373, 0.2226,
0.2539

■ 39.8728, 0.2360,
0.2686

■ 44.9735, 0.2506,
0.2826

■ 50.6670, 0.2659,
0.2958

■ 56.9787, 0.2816,
0.3079

■ 63.9321, 0.2973,
0.3190

■ 71.5496, 0.3127,
0.3290

■ 79.8519, 0.3277,
0.3379

Harmonies

Analogous

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



27.8360, 0.1864, 0.2539



27.8360, 0.2008, 0.2234



27.8360, 0.2419, 0.2195

Triad

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



27.8360, 0.2008, 0.2234



27.8360, 0.4392, 0.3250



27.8360, 0.3054, 0.4498

Complementary

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



27.8360, 0.2008, 0.2234



27.1945, 0.5213, 0.3953

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.



27.8360, 0.3750, 0.4610



27.8360, 0.2008, 0.2234



27.8360, 0.4571, 0.3791

Square

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



27.8360, 0.2008, 0.2234



27.8360, 0.3810, 0.2755



27.8360, 0.4314, 0.4296



27.8360, 0.2415, 0.3900

Rectangle

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



27.8360, 0.2008, 0.2234



27.8360, 0.2828, 0.2297



27.8360, 0.4314, 0.4296



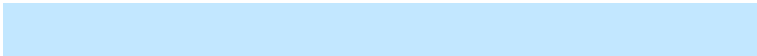
27.8360, 0.3289, 0.4594

Sweetspot

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



27.8369, 0.2008, 0.2234



75.8236, 0.2750, 0.3030



52.8657, 0.2779, 0.4978



15.5579, 0.2694, 0.2986



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.



27.8369, 0.2008, 0.2234



32.1040, 0.1889, 0.1983



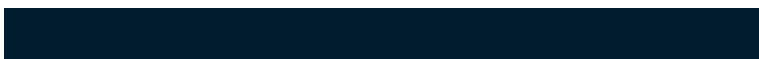
9.4274, 0.1684, 0.1004



13.9283, 0.2982, 0.3196



13.2267, 0.1878, 0.1959



1.0228, 0.1944, 0.2199

Inverse Universe

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



19.2470, 0.4169, 0.2229



23.9868, 0.4469, 0.2251



56.4443, 0.4295, 0.4802



13.1839, 0.3197, 0.3149



9.9590, 0.4500, 0.2253



0.6619, 0.4233, 0.2106

Previews

White Background



This preview shows how the Yxy color 27.8360, 0.2008, 0.2234 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 27.8360, 0.2008, 0.2234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

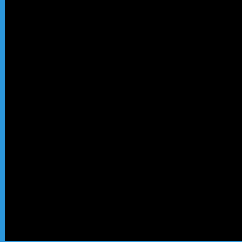
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

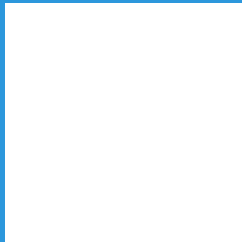
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8360, 0.2008, 0.2234

Background



This preview shows how black text looks on a background with the Yxy color 27.8360, 0.2008, 0.2234.

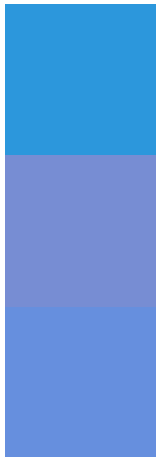


This preview shows how white text looks on a background with the Yxy color 27.8360, 0.2008, 0.2234.

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

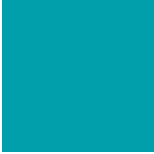
27.8360, 0.2008, 0.2234

Protanopia

27.6748, 0.2368, 0.2268

Deuteranopia

27.7436, 0.2205, 0.2147



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



Original Color

27.8360, 0.2008, 0.2234

Protanomaly

27.3811, 0.2195, 0.2253

Deuteranomaly

27.5276, 0.2111, 0.2175

Tritanomaly

27.5612, 0.2104, 0.2724

Monochromacy



Original Color

27.8360, 0.2008, 0.2234

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.7229, 0.2523, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8360, 0.2008, 0.2234 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(44, 151, 220)` looks like.

```
.text, #text, p{  
    color:rgb(44, 151, 220)  
}
```

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(44, 151, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 151, 220) }
```

Border

The CSS property to change the border of an element to Yxy 27.8360, 0.2008, 0.2234 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(44, 151, 220) }
```

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

```
.border{ border-color:rgb(44, 151, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 151, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 151, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 151, 220);  
box-shadow:4px 4px 4px 4px rgb(44, 151,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8360, 0.2008, 0.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 151, 220) }
```

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

```
.background{ background-color: rgb(44, 151,  
220) }
```

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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