

Converting Colors

$Y_{xy}(27.8824, 0.2002, 0.2210)$

Have a look what the booklet for
Yxy(27.8824, 0.2002, 0.2210)
contains.

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Color

Yxy(27.9650, 0.2003, 0.2211)

Conversions

Conversions Part 1

Format	Color
Hex	2D97DE
RGB	45, 151, 222
RGB Percent	18%, 59%, 87%
CMY	0.8236, 0.4078, 0.1293
CMYK	0.80, 0.32, 0.00, 0.13
HSL	204°, 73%, 52%
HSV	204°, 80%, 87%
XYZ	25.3342, 27.9650, 73.1820
YIQ	127.4000, -85.9670, -0.3910

Conversions

Conversions Part 2

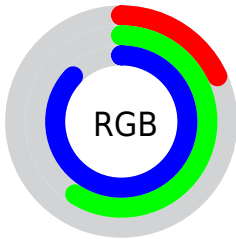
Format	Color
R_{YB}	45, 111, 222
Decimal	2987998
CIE _{Lab}	59.86, -5.19, -44.40
CIE _{LCh}	60, 44.705, 263.333
Yxy	27.9650, 0.2003, 0.2211
Android (android.graphics.Color)	4281178078 (0xFF2D97DE)
YUV	127.4000, 46.6378, -72.2648
Hunter-Lab	52.8819, -7.0293, -45.0326

Details

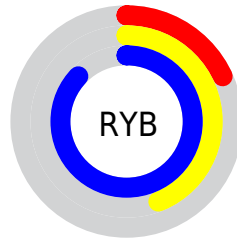
The Yxy color **27.9650, 0.2003, 0.2211** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **28.2110, 0.5187, 0.3971**, and the grayscale version is **21.2252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7342, 0.2313, 0.2673**, and **12.0605, 0.1879, 0.1964** is the 20% darker color. If you saturate the color by 10%, you get **24.8289, 0.1923, 0.2056**, and if you desaturate by 10%, it is **31.5840, 0.2104, 0.2368**.

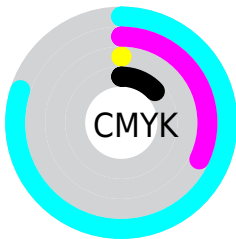
Distribution



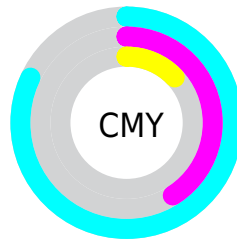
- Red (18%)
- Green (59%)
- Blue (87%)



- Red (18%)
- Yellow (44%)
- Blue (87%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)
- Black (13%)



- Cyan (82%)
- Magenta (41%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9650, 0.2003, 0.2211 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 27.9650, 0.2003, 0.2211 by changing the saturation by 10% instead.

■ 27.9650, 0.2003,
0.2211

■ 27.9650, 0.2003,
0.2211

■ 292.2996, 0.2577,
0.2771

■ 18.2993, 0.1862,
0.2070

■ 56.4286, 0.2211,
0.2416

■ 11.1651, 0.1684,
0.1892

■ 75.9952, 0.2290,
0.2493

■ 6.1780, 0.1457,
0.1660

■ 99.6309, 0.2356,
0.2558

■ 2.9536, 0.1162,
0.1355

■ 127.7201, 0.2413,
0.2613

■ 1.1076, 0.0786,
0.0954

■ 160.6472, 0.2462,
0.2661

■ 0.0000, 0.0000,
0.0000

198.7965, 0.2505,

0.2702

242.5526, 0.2543,
0.2739

■ 27.9650, 0.2003,
0.2211

■ 27.9650, 0.2003,
0.2211

■ 24.8289, 0.1923,
0.2056

■ 31.5840, 0.2104,
0.2368

■ 22.1056, 0.1863,
0.1906

■ 35.7240, 0.2225,
0.2523

■ 22.0390, 0.1862,
0.1902

■ 40.4213, 0.2361,
0.2674

■ 45.7071, 0.2508,
0.2818

■ 51.6098, 0.2662,
0.2953

■ 58.1556, 0.2820,
0.3077

■ 65.3688, 0.2977,
0.3191

■ 73.2725, 0.3131,
0.3293

■ 81.8882, 0.3280,
0.3384

Harmonies

Analogous

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



27.9650, 0.1846, 0.2507



27.9650, 0.2003, 0.2211



27.9650, 0.2429, 0.2182

Triad

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



27.9650, 0.2003, 0.2211



27.9650, 0.4430, 0.3269



27.9650, 0.3022, 0.4505

Complementary

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



27.9650, 0.2003, 0.2211



28.2110, 0.5187, 0.3971

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.



27.9650, 0.3730, 0.4638



27.9650, 0.2003, 0.2211



27.9650, 0.4592, 0.3818

Square

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



27.9650, 0.2003, 0.2211



27.9650, 0.3851, 0.2765



27.9650, 0.4313, 0.4329



27.9650, 0.2380, 0.3879

Rectangle

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



27.9650, 0.2003, 0.2211



27.9650, 0.2851, 0.2292



27.9650, 0.4313, 0.4329



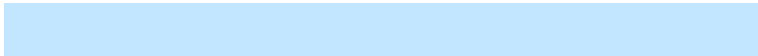
27.9650, 0.3261, 0.4610

Sweetspot

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



27.9659, 0.2003, 0.2211



75.5077, 0.2750, 0.3023



54.0658, 0.2766, 0.4928



15.4818, 0.2693, 0.2978



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.



27.9659, 0.2003, 0.2211



31.3332, 0.1881, 0.1951



9.3520, 0.1679, 0.0980



14.6017, 0.2981, 0.3194



13.3115, 0.1868, 0.1924



1.0966, 0.1933, 0.2157

Inverse Universe

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



19.6419, 0.4192, 0.2246



23.9090, 0.4505, 0.2272



59.0570, 0.4269, 0.4823



13.8377, 0.3199, 0.3151



10.2518, 0.4539, 0.2274



0.7282, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 27.9650, 0.2003, 0.2211 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 27.9650, 0.2003, 0.2211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

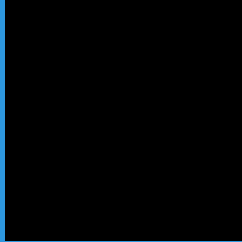
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

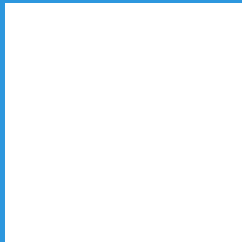
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9650, 0.2003, 0.2211

Background



This preview shows how black text looks on a background with the Yxy color 27.9650, 0.2003, 0.2211.

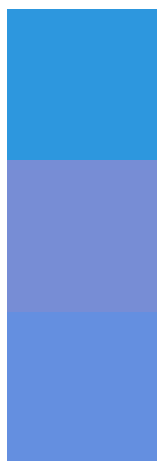


This preview shows how white text looks on a background with the Yxy color 27.9650, 0.2003, 0.2211.

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

27.9650, 0.2003, 0.2211

Protanopia

27.7758, 0.2356, 0.2246

Deuteranopia

27.7361, 0.2184, 0.2123



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



Original Color

27.9650, 0.2003, 0.2211

Protanomaly

27.4840, 0.2185, 0.2230

Deuteranomaly

27.5910, 0.2099, 0.2152

Tritanomaly

27.6048, 0.2099, 0.2709

Monochromacy



Original Color

27.9650, 0.2003, 0.2211

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.7583, 0.2516, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9650, 0.2003, 0.2211 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(45, 151, 222)` looks like.

```
.text, #text, p{  
    color:rgb(45, 151, 222)  
}
```

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(45, 151, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 151, 222) }
```

Border

The CSS property to change the border of an element to Yxy 27.9650, 0.2003, 0.2211 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(45, 151, 222) }
```

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

```
.border{ border-color:rgb(45, 151, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 151, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 151, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 151, 222);  
box-shadow:4px 4px 4px 4px rgb(45, 151,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9650, 0.2003, 0.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 151, 222) }
```

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

```
.background{ background-color: rgb(45, 151,  
222) }
```

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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