

Converting Colors

$Y_{xy}(26.8955, 0.2310, 0.2713)$

Have a look what the booklet for
Yxy(26.8955, 0.2310, 0.2713)
contains.

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Color

$\text{Yxy}(27.0227, 0.2311, 0.2721)$

Conversions

Conversions Part 1

Format	Color
Hex	5196B8
RGB	81, 150, 184
RGB Percent	32%, 59%, 72%
CMY	0.6822, 0.4118, 0.2785
CMYK	0.56, 0.18, 0.00, 0.28
HSL	200°, 42%, 52%
HSV	200°, 56%, 72%
XYZ	22.9509, 27.0227, 49.3380
YIQ	133.2450, -52.0380, -4.0540

Conversions

Conversions Part 2

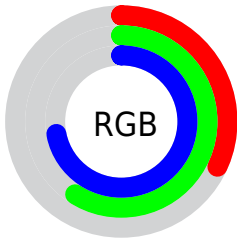
Format	Color
R _{YB}	81, 122, 184
Decimal	5347000
CIE _{Lab}	59.00, -11.90, -24.31
CIE _{LCh}	59, 27.070, 243.922
Y _{xy}	27.0227, 0.2311, 0.2721
Android (android.graphics.Color)	4283537080 (0xFF5196B8)
YUV	133.2450, 25.0222, -45.8189
Hunter-Lab	51.9834, -12.1622, -19.8845

Details

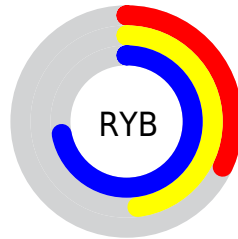
The Yxy color **27.0227, 0.2311, 0.2721** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.0443, 0.4472, 0.3764**, and the grayscale version is **23.4736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8803, 0.2474, 0.2841**, and **10.6205, 0.2047, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **24.4299, 0.2195, 0.2598**, and if you desaturate by 10%, it is **29.9381, 0.2442, 0.2839**.

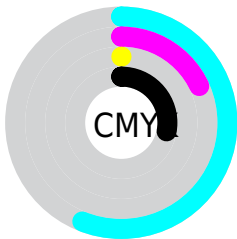
Distribution



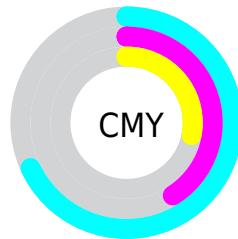
- Red (32%)
- Green (59%)
- Blue (72%)



- Red (32%)
- Yellow (48%)
- Blue (72%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (28%)



- Cyan (68%)
- Magenta (41%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0227, 0.2311, 0.2721 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 27.0227, 0.2311, 0.2721 by changing the saturation by 10% instead.

■ 27.0227, 0.2311,
0.2721

■ 27.0227, 0.2311,
0.2721

■ 287.7670, 0.2741,
0.3034

■ 17.5903, 0.2198,
0.2634

■ 54.9203, 0.2472,
0.2841

■ 10.6562, 0.2049,
0.2516

■ 74.1542, 0.2531,
0.2885

■ 5.8362, 0.1848,
0.2351

■ 97.4242, 0.2581,
0.2920

■ 2.7457, 0.1564,
0.2105

■ 125.1144, 0.2623,
0.2950

■ 1.0005, 0.1126,
0.1717

■ 157.6095, 0.2659,
0.2976

■ 0.0000, 0.0000,
0.0000

195.2936, 0.2690,

0.2998

238.5514, 0.2717,
0.3017

■ 27.0227, 0.2311,
0.2721

■ 27.0227, 0.2311,
0.2721

■ 24.4299, 0.2195,
0.2598

■ 29.9381, 0.2442,
0.2839

■ 22.1369, 0.2096,
0.2473

■ 33.1907, 0.2583,
0.2952

■ 20.1222, 0.2017,
0.2347

■ 36.7978, 0.2731,
0.3057

■ 18.3569, 0.1958,
0.2224

■ 40.7741, 0.2884,
0.3154

■ 17.6899, 0.1937,
0.2174

■ 45.1336, 0.3037,
0.3242

■ 49.8894, 0.3188,
0.3321

■ 55.0538, 0.3336,
0.3392

■ 60.6387, 0.3478,
0.3455

■ 66.6552, 0.3614,
0.3511

Harmonies

Analogous

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



27.0227, 0.2333, 0.3046



27.0227, 0.2311, 0.2721



27.0227, 0.2485, 0.2570

Triad

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



27.0227, 0.2311, 0.2721



27.0227, 0.3718, 0.3075



27.0227, 0.3378, 0.4102

Complementary

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



27.0227, 0.2311, 0.2721



23.0443, 0.4472, 0.3764

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.



27.0227, 0.3777, 0.4043



27.0227, 0.2311, 0.2721



27.0227, 0.3992, 0.3433

Square

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



27.0227, 0.2311, 0.2721



27.0227, 0.3282, 0.2778



27.0227, 0.4009, 0.3785



27.0227, 0.2929, 0.3896

Rectangle

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



27.0227, 0.2311, 0.2721



27.0227, 0.2700, 0.2569



27.0227, 0.4009, 0.3785



27.0227, 0.3523, 0.4111

Sweetspot

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



27.0237, 0.2311, 0.2721



72.9389, 0.2863, 0.3141



37.2270, 0.2853, 0.4511



15.4077, 0.2833, 0.3122



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.



27.0237, 0.2311, 0.2721



43.3537, 0.2172, 0.2571



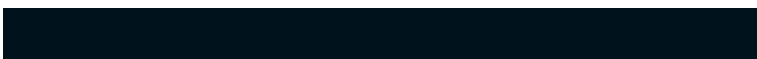
14.3069, 0.2124, 0.1831



9.6976, 0.2985, 0.3213



12.3294, 0.1942, 0.2189



0.5429, 0.2030, 0.2506

Inverse Universe

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



18.2791, 0.3645, 0.2362



27.6544, 0.3809, 0.2214



37.7281, 0.4052, 0.4403



9.1110, 0.3186, 0.3138



8.0270, 0.4244, 0.2112



0.2939, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 27.0227, 0.2311, 0.2721 looks on a white background.

Color Contrast Check

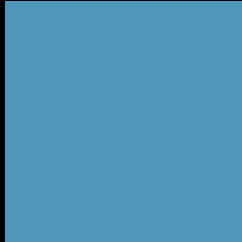
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0227, 0.2311, 0.2721 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 27.0227, 0.2311, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 27.0227, 0.2311, 0.2721.



This preview shows how white text looks on a background with the Yxy color 27.0227, 0.2311, 0.2721.

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

27.0227, 0.2311, 0.2721

Protanopia

26.8360, 0.2709, 0.2710

Deuteranopia

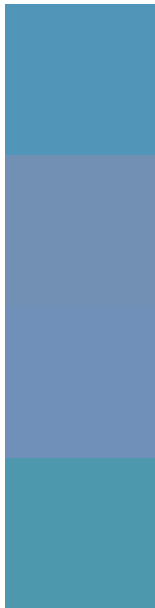
26.7562, 0.2619, 0.2567



Tritanopia

26.9915, 0.2390, 0.3058

Trichromacy



Original Color

27.0227, 0.2311, 0.2721

Protanomaly

26.7525, 0.2533, 0.2708

Deuteranomaly

26.5924, 0.2487, 0.2619

Tritanomaly

27.0514, 0.2360, 0.2925

Monochromacy



Original Color

27.0227, 0.2311, 0.2721

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.3096, 0.2751, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0227, 0.2311, 0.2721 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(81, 150, 184)` looks like.

```
.text, #text, p{  
    color:rgb(81, 150, 184)  
}
```

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(81, 150, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 150, 184) }
```

Border

The CSS property to change the border of an element to Yxy 27.0227, 0.2311, 0.2721 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(81, 150, 184) }
```

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

```
.border{ border-color:rgb(81, 150, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 150, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 150, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 150, 184);  
box-shadow:4px 4px 4px 4px rgb(81, 150,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0227, 0.2311, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 150, 184) }
```

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

```
.background{ background-color: rgb(81, 150,  
184) }
```

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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