

Converting Colors

$Y_{xy}(27.0277, 0.2171, 0.2221)$

Have a look what the booklet for
Yxy(27.0277, 0.2171, 0.2221)
contains.

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Color

Yxy(26.9767, 0.2170, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	5990D7
RGB	89, 144, 215
RGB Percent	35%, 56%, 84%
CMY	0.6512, 0.4353, 0.1567
CMYK	0.59, 0.33, 0.00, 0.16
HSL	214°, 61%, 60%
HSV	214°, 59%, 84%
XYZ	26.3572, 26.9767, 68.1280
YIQ	135.6490, -55.5710, 10.4210

Conversions

Conversions Part 2

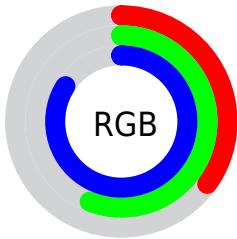
Format	Color
R _Y B	89, 127, 215
Decimal	5869783
CIE Lab	58.95, 2.98, -41.83
CIE LCh	59, 41.939, 274.078
Yxy	26.9767, 0.2170, 0.2221
Android (android.graphics.Color)	4284059863 (0xFF5990D7)
YUV	135.6490, 39.1200, -40.9112
Hunter-Lab	51.9391, -0.3110, -41.4127

Details

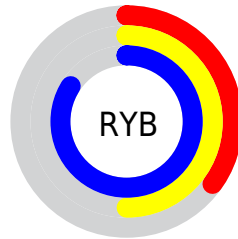
The Yxy color **26.9767, 0.2170, 0.2221** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **40.3011, 0.4340, 0.4126**, and the grayscale version is **24.3454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9041, 0.2441, 0.2608**, and **10.6216, 0.1879, 0.1901** is the 20% darker color. If you saturate the color by 10%, you get **22.5909, 0.2024, 0.2001**, and if you desaturate by 10%, it is **32.0686, 0.2330, 0.2437**.

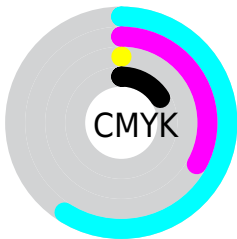
Distribution



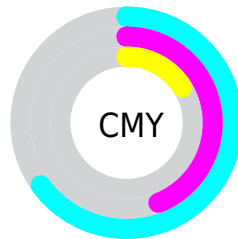
- Red (35%)
- Green (56%)
- Blue (84%)



- Red (35%)
- Yellow (50%)
- Blue (84%)



- Cyan (59%)
- Magenta (33%)
- Yellow (0%)
- Black (16%)



- Cyan (65%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9767, 0.2170, 0.2221 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 26.9767, 0.2170, 0.2221 by changing the saturation by 10% instead.

■ 26.9767, 0.2170,
0.2221

■ 26.9767, 0.2170,
0.2221

287.5443, 0.2669,
0.2773

■ 17.5557, 0.2043,
0.2082

■ 54.8465, 0.2354,
0.2423

■ 10.6315, 0.1880,
0.1905

■ 74.0641, 0.2423,
0.2499

■ 5.8196, 0.1667,
0.1675

■ 97.3160, 0.2480,
0.2563

■ 2.7357, 0.1380,
0.1369

■ 124.9866, 0.2529,
0.2617

■ 0.9954, 0.0993,
0.0963

157.4604, 0.2572,
0.2664

■ 0.0000, 0.0000,
0.0000

195.1216, 0.2608,

0.2705

238.3548, 0.2641,
0.2741

■ 26.9767, 0.2170,
0.2221

■ 26.9767, 0.2170,
0.2221

■ 22.5909, 0.2024,
0.2001

■ 32.0686, 0.2330,
0.2437

■ 18.8681, 0.1897,
0.1783

■ 37.9001, 0.2497,
0.2642

■ 15.7633, 0.1796,
0.1574

■ 44.5056, 0.2666,
0.2833

■ 13.2123, 0.1720,
0.1381

■ 51.9163, 0.2833,
0.3009

■ 12.8973, 0.1710,
0.1356

■ 60.1612, 0.2994,
0.3167

■ 69.2680, 0.3148,
0.3308

■ 79.2629, 0.3291,
0.3433

■ 89.0219, 0.3384,
0.3547

■ 96.4289, 0.3366,
0.3662

Harmonies

Analogous

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



26.9767, 0.1924, 0.2412



26.9767, 0.2170, 0.2221



26.9767, 0.2668, 0.2274

Triad

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



26.9767, 0.2170, 0.2221



26.9767, 0.4472, 0.3463



26.9767, 0.2795, 0.4268

Complementary

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



26.9767, 0.2170, 0.2221



40.3011, 0.4340, 0.4126

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.



26.9767, 0.3471, 0.4580



26.9767, 0.2170, 0.2221



26.9767, 0.4472, 0.3987

Square

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



26.9767, 0.2170, 0.2221



26.9767, 0.4046, 0.2954



26.9767, 0.4088, 0.4422



26.9767, 0.2245, 0.3580

Rectangle

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



26.9767, 0.2170, 0.2221



26.9767, 0.3114, 0.2427



26.9767, 0.4088, 0.4422



26.9767, 0.3015, 0.4427

Sweetspot

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



26.9776, 0.2170, 0.2221



76.9092, 0.2841, 0.3016



53.2161, 0.2689, 0.4133



15.7457, 0.2792, 0.2967



0.0000, 0.0000, 0.0000



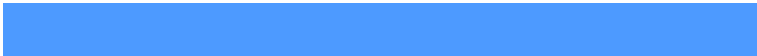
21.4041, 0.3127, 0.3290

Same Dimension

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



26.9776, 0.2170, 0.2221



32.0390, 0.1996, 0.1956



14.4888, 0.2036, 0.1433



12.8921, 0.2982, 0.3155



7.9146, 0.1718, 0.1384



0.6404, 0.1811, 0.1721

Inverse Universe

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



23.6005, 0.4105, 0.2644



28.8464, 0.4429, 0.2569



62.8522, 0.3905, 0.4691



12.5100, 0.3223, 0.3189



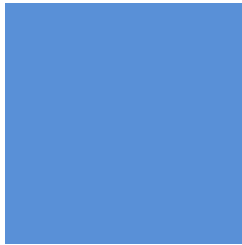
9.1438, 0.5213, 0.2645



0.5680, 0.4781, 0.2408

Previews

White Background



This preview shows how the Yxy color 26.9767, 0.2170, 0.2221 looks on a white background.

Color Contrast Check

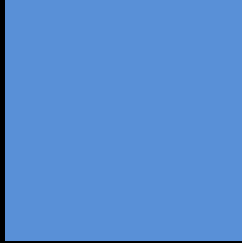
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9767, 0.2170, 0.2221 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

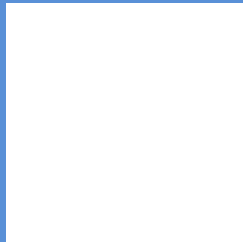
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.9767, 0.2170, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 26.9767, 0.2170, 0.2221.

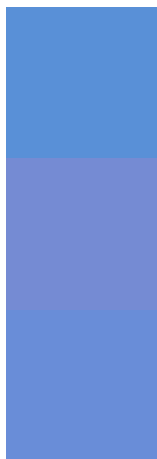


This preview shows how white text looks on a background with the Yxy color 26.9767, 0.2170, 0.2221.

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

26.9767, 0.2170, 0.2221

Protanopia

26.9503, 0.2349, 0.2234

Deuteranopia

27.0109, 0.2247, 0.2188



Tritanopia

27.0933, 0.2363, 0.3074

Trichromacy



Original Color

26.9767, 0.2170, 0.2221

Protanomaly

26.9290, 0.2281, 0.2236

Deuteranomaly

26.9565, 0.2214, 0.2193

Tritanomaly

26.8099, 0.2284, 0.2717

Monochromacy



Original Color

26.9767, 0.2170, 0.2221

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.1038, 0.2687, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9767, 0.2170, 0.2221 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(89, 144, 215)` looks like.

```
.text, #text, p{  
    color:rgb(89, 144, 215)  
}
```

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(89, 144, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 144, 215) }
```

Border

The CSS property to change the border of an element to Yxy 26.9767, 0.2170, 0.2221 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(89, 144, 215) }
```

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

```
.border{ border-color:rgb(89, 144, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 144, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 144, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 144, 215);  
box-shadow:4px 4px 4px 4px rgb(89, 144,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9767, 0.2170, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 144, 215) }
```

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

```
.background{ background-color: rgb(89, 144,  
215) }
```

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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