

Converting Colors

$Y_{xy}(27.0938, 0.2162, 0.2243)$

Have a look what the booklet for
Yxy(27.0938, 0.2162, 0.2243)
contains.

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Color

Yxy(27.0843, 0.2163, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	5691D6
RGB	86, 145, 214
RGB Percent	34%, 57%, 84%
CMY	0.6630, 0.4313, 0.1608
CMYK	0.60, 0.32, 0.00, 0.16
HSL	212°, 61%, 59%
HSV	212°, 60%, 84%
XYZ	26.0950, 27.0843, 67.4634
YIQ	135.2250, -57.3130, 8.9510

Conversions

Conversions Part 2

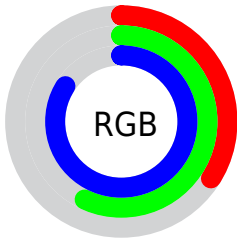
Format	Color
R _Y B	86, 126, 214
Decimal	5673430
CIE Lab	59.05, 1.47, -41.10
CIE LCh	59, 41.129, 272.046
Yxy	27.0843, 0.2163, 0.2245
Android (android.graphics.Color)	4283863510 (0xFF5691D6)
YUV	135.2250, 38.8361, -43.1703
Hunter-Lab	52.0426, -1.5716, -40.4285

Details

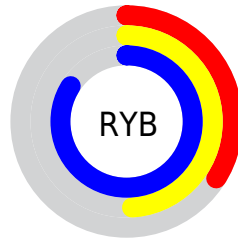
The Yxy color **27.0843, 0.2163, 0.2245** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **38.3798, 0.4396, 0.4104**, and the grayscale version is **24.1809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0866, 0.2427, 0.2617**, and **10.6941, 0.1871, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **22.8716, 0.2022, 0.2034**, and if you desaturate by 10%, it is **31.9602, 0.2318, 0.2452**.

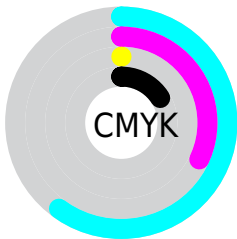
Distribution



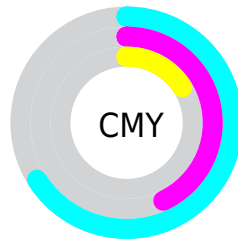
- Red (34%)
- Green (57%)
- Blue (84%)



- Red (34%)
- Yellow (49%)
- Blue (84%)



- Cyan (60%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0843, 0.2163, 0.2245 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 27.0843, 0.2163, 0.2245 by changing the saturation by 10% instead.

■ 27.0843, 0.2163,
0.2245

■ 27.0843, 0.2163,
0.2245

288.0651, 0.2665,
0.2787

■ 17.6365, 0.2035,
0.2108

■ 55.0191, 0.2348,
0.2444

■ 10.6894, 0.1872,
0.1933

■ 74.2750, 0.2417,
0.2518

■ 5.8584, 0.1657,
0.1705

■ 97.5690, 0.2475,
0.2581

■ 2.7591, 0.1370,
0.1400

■ 125.2855, 0.2524,
0.2634

■ 1.0073, 0.0982,
0.0992

157.8090, 0.2567,
0.2680

■ 0.0000, 0.0000,
0.0000

195.5238, 0.2604,

0.2720

238.8144, 0.2636,
0.2756

■ 27.0843, 0.2163,
0.2245

■ 27.0843, 0.2163,
0.2245

■ 22.8716, 0.2022,
0.2034

■ 31.9602, 0.2318,
0.2452

■ 19.2806, 0.1902,
0.1825

■ 37.5314, 0.2482,
0.2649

■ 16.2680, 0.1806,
0.1624

■ 43.8305, 0.2649,
0.2833

■ 13.7629, 0.1733,
0.1437

■ 50.8872, 0.2814,
0.3002

■ 13.7257, 0.1732,
0.1434

■ 58.7291, 0.2975,
0.3155

■ 67.3824, 0.3130,
0.3292

■ 76.8720, 0.3275,
0.3414

■ 86.8151, 0.3397,
0.3522

■ 93.7145, 0.3379,
0.3632

Harmonies

Analogous

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



27.0843, 0.1938, 0.2452



27.0843, 0.2163, 0.2245



27.0843, 0.2637, 0.2281

Triad

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



27.0843, 0.2163, 0.2245



27.0843, 0.4428, 0.3427



27.0843, 0.2846, 0.4281

Complementary

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



27.0843, 0.2163, 0.2245



38.3798, 0.4396, 0.4104

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.



27.0843, 0.3511, 0.4555



27.0843, 0.2163, 0.2245



27.0843, 0.4459, 0.3943

Square

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



27.0843, 0.2163, 0.2245



27.0843, 0.3987, 0.2930



27.0843, 0.4106, 0.4379



27.0843, 0.2292, 0.3625

Rectangle

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



27.0843, 0.2163, 0.2245



27.0843, 0.3068, 0.2424



27.0843, 0.4106, 0.4379



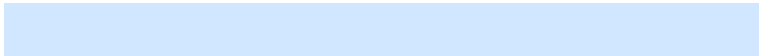
27.0843, 0.3064, 0.4426

Sweetspot

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



27.0852, 0.2163, 0.2245



77.5371, 0.2841, 0.3029



52.4044, 0.2695, 0.4188



15.8982, 0.2793, 0.2981



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.



27.0852, 0.2163, 0.2245



32.3861, 0.1985, 0.1973



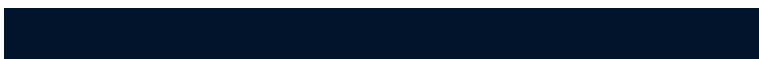
13.6845, 0.1998, 0.1388



12.9434, 0.2982, 0.3161



8.5006, 0.1739, 0.1461



0.6773, 0.1831, 0.1790

Inverse Universe

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



22.9852, 0.4088, 0.2598



28.2213, 0.4419, 0.2518



62.4197, 0.3934, 0.4703



12.5152, 0.3220, 0.3183



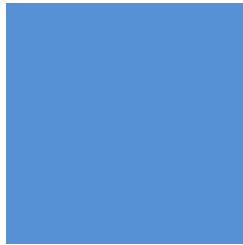
9.2030, 0.5110, 0.2589



0.5717, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 27.0843, 0.2163, 0.2245 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 27.0843, 0.2163, 0.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

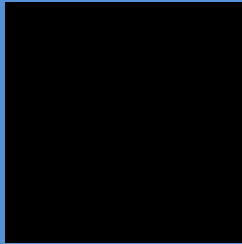
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

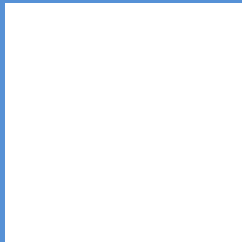
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0843, 0.2163, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 27.0843, 0.2163, 0.2245.

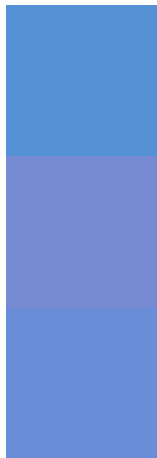


This preview shows how white text looks on a background with the Yxy color 27.0843, 0.2163, 0.2245.

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

27.0843, 0.2163, 0.2245

Protanopia

26.9202, 0.2368, 0.2259

Deuteranopia

27.0202, 0.2259, 0.2200



Tritanopia

27.0250, 0.2342, 0.3056

Trichromacy



Original Color

27.0843, 0.2163, 0.2245

Protanomaly

26.8171, 0.2280, 0.2246

Deuteranomaly

26.9049, 0.2219, 0.2205

Tritanomaly

27.0104, 0.2273, 0.2732

Monochromacy



Original Color

27.0843, 0.2163, 0.2245

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.9275, 0.2678, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0843, 0.2163, 0.2245 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(86, 145, 214)` looks like.

```
.text, #text, p{  
    color:rgb(86, 145, 214)  
}
```

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(86, 145, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 145, 214) }
```

Border

The CSS property to change the border of an element to Yxy 27.0843, 0.2163, 0.2245 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(86, 145, 214) }
```

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

```
.border{ border-color:rgb(86, 145, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 145, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 145, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 145, 214);  
box-shadow:4px 4px 4px 4px rgb(86, 145,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0843, 0.2163, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 145, 214) }
```

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

```
.background{ background-color: rgb(86, 145,  
214) }
```

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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