

Converting Colors

$Y_{xy}(21.8867, 0.2075, 0.2065)$

Have a look what the booklet for
Yxy(21.8867, 0.2075, 0.2065)
contains.

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Color

Yxy(21.8867, 0.2075, 0.2065)

Conversions

Conversions Part 1

Format	Color
Hex	4982CF
RGB	73, 130, 207
RGB Percent	29%, 51%, 81%
CMY	0.7138, 0.4902, 0.1882
CMYK	0.65, 0.37, 0.00, 0.19
HSL	214°, 58%, 55%
HSV	214°, 65%, 81%
XYZ	21.9927, 21.8867, 62.1095
YIQ	121.7350, -58.6890, 11.8630

Conversions

Conversions Part 2

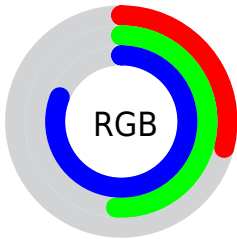
Format	Color
R _Y B	73, 113, 207
Decimal	4817615
CIE Lab	53.91, 5.64, -45.34
CIE LCh	54, 45.689, 277.090
Yxy	21.8867, 0.2075, 0.2065
Android (android.graphics.Color)	4283007695 (0xFF4982CF)
YUV	121.7350, 42.0356, -42.7406
Hunter-Lab	46.7832, 2.0418, -45.9652

Details

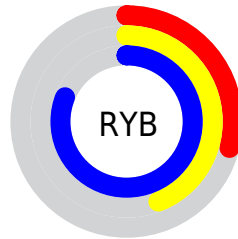
The Yxy color **21.8867, 0.2075, 0.2065** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **35.5584, 0.4475, 0.4205**, and the grayscale version is **19.2447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0735, 0.2327, 0.2401**, and **8.1519, 0.1809, 0.1713** is the 20% darker color. If you saturate the color by 10%, you get **18.2257, 0.1939, 0.1842**, and if you desaturate by 10%, it is **26.1839, 0.2229, 0.2288**.

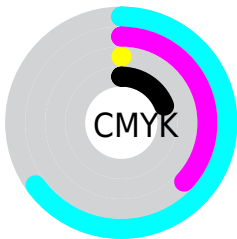
Distribution



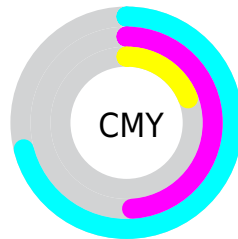
- Red (29%)
- Green (51%)
- Blue (81%)



- Red (29%)
- Yellow (44%)
- Blue (81%)



- Cyan (65%)
- Magenta (37%)
- Yellow (0%)
- Black (19%)



- Cyan (71%)
- Magenta (49%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8867, 0.2075, 0.2065 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 21.8867, 0.2075, 0.2065 by changing the saturation by 10% instead.

■ 21.8867, 0.2075,
0.2065

■ 21.8867, 0.2075,
0.2065

261.9540, 0.2637,
0.2708

■ 13.7737, 0.1929,
0.1902

■ 46.5587, 0.2285,
0.2302

■ 7.9634, 0.1740,
0.1694

■ 63.8864, 0.2363,
0.2391

■ 4.0715, 0.1492,
0.1425

■ 85.0545, 0.2427,
0.2465

■ 1.7137, 0.1161,
0.1074

■ 110.4473, 0.2482,
0.2528

■ 0.4325, 0.0698,
0.0550

■ 140.4493, 0.2529,
0.2582

■ 0.0000, 0.0000,
0.0000

175.4448, 0.2570,

0.2630

215.8182, 0.2606,
0.2671

■ 21.8867, 0.2075,
0.2065

■ 21.8867, 0.2075,
0.2065

■ 18.2257, 0.1939,
0.1842

■ 26.1839, 0.2229,
0.2288

■ 15.1585, 0.1825,
0.1625

■ 31.1512, 0.2393,
0.2504

■ 12.6386, 0.1739,
0.1424

■ 36.8218, 0.2563,
0.2708

■ 11.4980, 0.1702,
0.1326

■ 43.2261, 0.2732,
0.2897

■ 50.3922, 0.2897,
0.3068

■ 58.3468, 0.3055,
0.3223

■ 67.1151, 0.3204,
0.3360

■ 76.7210, 0.3344,
0.3481

■ 86.3646, 0.3443,
0.3591

Harmonies

Analogous

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



21.8867, 0.1773, 0.2239



21.8867, 0.2075, 0.2065



21.8867, 0.2663, 0.2155

Triad

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



21.8867, 0.2075, 0.2065



21.8867, 0.4716, 0.3523



21.8867, 0.2655, 0.4387

Complementary

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



21.8867, 0.2075, 0.2065



35.5584, 0.4475, 0.4205

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.



21.8867, 0.3423, 0.4802



21.8867, 0.2075, 0.2065



21.8867, 0.4647, 0.4117

Square

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



21.8867, 0.2075, 0.2065



21.8867, 0.4269, 0.2950



21.8867, 0.4153, 0.4624



21.8867, 0.2058, 0.3531

Rectangle

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



21.8867, 0.2075, 0.2065



21.8867, 0.3188, 0.2341



21.8867, 0.4153, 0.4624



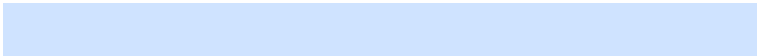
21.8867, 0.2902, 0.4594

Sweetspot

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



21.8874, 0.2075, 0.2065



75.4481, 0.2824, 0.2994



48.2187, 0.2655, 0.4200



15.4447, 0.2776, 0.2943



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.



21.8874, 0.2075, 0.2065



27.0315, 0.1888, 0.1750



11.0572, 0.1935, 0.1250



12.2327, 0.2982, 0.3153



7.4219, 0.1709, 0.1351



0.5708, 0.1809, 0.1713

Inverse Universe

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



19.6415, 0.4286, 0.2619



26.0129, 0.4694, 0.2574



57.1333, 0.3941, 0.4808



11.8905, 0.3225, 0.3191



8.8205, 0.5257, 0.2670



0.5089, 0.4790, 0.2412

Previews

White Background



This preview shows how the Yxy color 21.8867, 0.2075, 0.2065 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 21.8867, 0.2075, 0.2065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

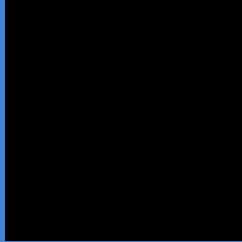
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

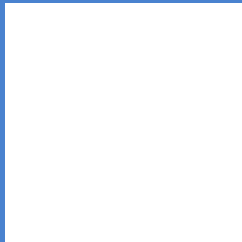
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8867, 0.2075, 0.2065

Background



This preview shows how black text looks on a background with the Yxy color 21.8867, 0.2075, 0.2065.



This preview shows how white text looks on a background with the Yxy color 21.8867, 0.2075, 0.2065.

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

21.8867, 0.2075, 0.2065

Protanopia

21.8862, 0.2232, 0.2089

Deuteranopia

21.9548, 0.2112, 0.2061



Tritanopia

21.8419, 0.2268, 0.3052

Trichromacy



Original Color

21.8867, 0.2075, 0.2065

Protanomaly

21.7120, 0.2172, 0.2077

Deuteranomaly

21.8252, 0.2097, 0.2056

Tritanomaly

21.6653, 0.2179, 0.2630

Monochromacy



Original Color

21.8867, 0.2075, 0.2065

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.9102, 0.2621, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8867, 0.2075, 0.2065 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(73, 130, 207)` looks like.

```
.text, #text, p{  
    color:rgb(73, 130, 207)  
}
```

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(73, 130, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 130, 207) }
```

Border

The CSS property to change the border of an element to Yxy 21.8867, 0.2075, 0.2065 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(73, 130, 207) }
```

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

```
.border{ border-color:rgb(73, 130, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 130, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 130, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 130, 207);  
box-shadow:4px 4px 4px 4px rgb(73, 130,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8867, 0.2075, 0.2065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 130, 207) }
```

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

```
.background{ background-color: rgb(73, 130,  
207) }
```

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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