

Converting Colors

$Y_{xy}(22.2136, 0.2349, 0.2517)$

Have a look what the booklet for
Yxy(22.2136, 0.2349, 0.2517)
contains.

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Color

Yxy(22.2136, 0.2349, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	5B85B2
RGB	91, 133, 178
RGB Percent	36%, 52%, 70%
CMY	0.6435, 0.4784, 0.3020
CMYK	0.49, 0.25, 0.00, 0.30
HSL	211°, 36%, 53%
HSV	211°, 49%, 70%
XYZ	20.7309, 22.2136, 45.3097
YIQ	125.5720, -39.4770, 5.0910

Conversions

Conversions Part 2

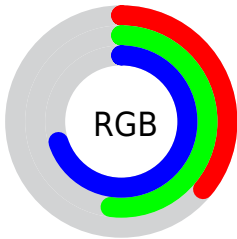
Format	Color
R_{YB}	91, 119, 178
Decimal	5998002
CIE _{Lab}	54.25, -1.84, -28.19
CIE _{LCh}	54, 28.251, 266.267
Yxy	22.2136, 0.2349, 0.2517
Android (android.graphics.Color)	4284188082 (0xFF5B85B2)
YUV	125.5720, 25.8470, -30.3196
Hunter-Lab	47.1313, -3.9657, -24.0066

Details

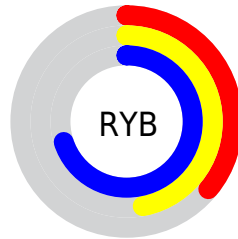
The Yxy color **22.2136, 0.2349, 0.2517** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.7959, 0.4116, 0.3940**, and the grayscale version is **20.6272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0781, 0.2508, 0.2678**, and **8.1786, 0.2083, 0.2251** is the 20% darker color. If you saturate the color by 10%, you get **19.0069, 0.2197, 0.2323**, and if you desaturate by 10%, it is **25.8567, 0.2509, 0.2702**.

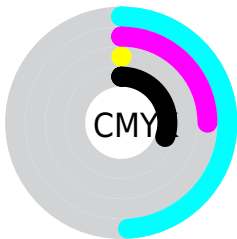
Distribution



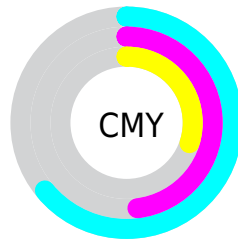
- Red (36%)
- Green (52%)
- Blue (70%)



- Red (36%)
- Yellow (47%)
- Blue (70%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (30%)



- Cyan (64%)
- Magenta (48%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2136, 0.2349, 0.2517 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 22.2136, 0.2349, 0.2517 by changing the saturation by 10% instead.

■ 22.2136, 0.2349,
0.2517

■ 22.2136, 0.2349,
0.2517

■ 263.6597, 0.2773,
0.2941

■ 14.0139, 0.2232,
0.2399

■ 47.0988, 0.2511,
0.2680

■ 8.1304, 0.2077,
0.2241

■ 64.5531, 0.2570,
0.2739

■ 4.1785, 0.1860,
0.2021

■ 85.8610, 0.2618,
0.2787

■ 1.7739, 0.1546,
0.1697

■ 111.4071, 0.2659,
0.2828

■ 0.4708, 0.0937,
0.1096

■ 141.5756, 0.2694,
0.2862

■ 0.0000, 0.0000,
0.0000

176.7509, 0.2724,

0.2892

217.3175, 0.2750,
0.2918

■ 22.2136, 0.2349,
0.2517

■ 22.2136, 0.2349,
0.2517

■ 19.0069, 0.2197,
0.2323

■ 25.8567, 0.2509,
0.2702

■ 16.2132, 0.2059,
0.2124

■ 29.9532, 0.2672,
0.2874

■ 13.8100, 0.1939,
0.1924

■ 34.5217, 0.2834,
0.3032

■ 11.7706, 0.1841,
0.1730

■ 39.5792, 0.2992,
0.3175

■ 10.0514, 0.1766,
0.1547

■ 45.1415, 0.3143,
0.3303

■ 9.8791, 0.1758,
0.1528

■ 51.2239, 0.3287,
0.3417

■ 57.8406, 0.3422,
0.3518

■ 65.0056, 0.3548,
0.3606

■ 72.7321, 0.3665,
0.3684

Harmonies

Analogous

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



22.2136, 0.2212, 0.2730



22.2136, 0.2349, 0.2517



22.2136, 0.2684, 0.2501

Triad

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



22.2136, 0.2349, 0.2517



22.2136, 0.4039, 0.3339



22.2136, 0.3027, 0.4058

Complementary

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



22.2136, 0.2349, 0.2517



27.7959, 0.4116, 0.3940

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.



22.2136, 0.3525, 0.4209



22.2136, 0.2349, 0.2517



22.2136, 0.4133, 0.3737

Square

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



22.2136, 0.2349, 0.2517



22.2136, 0.3672, 0.2958



22.2136, 0.3935, 0.4066



22.2136, 0.2579, 0.3638

Rectangle

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



22.2136, 0.2349, 0.2517



22.2136, 0.2994, 0.2590



22.2136, 0.3935, 0.4066



22.2136, 0.3194, 0.4143

Sweetspot

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



22.2144, 0.2349, 0.2517



65.8617, 0.2892, 0.3086



35.7916, 0.2769, 0.4036



14.1779, 0.2859, 0.3055



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.2144, 0.2349, 0.2517



33.8770, 0.2181, 0.2301



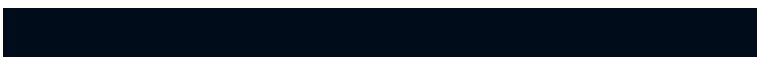
12.9025, 0.2210, 0.1774



8.8856, 0.2985, 0.3169



7.1942, 0.1763, 0.1548



0.3434, 0.1909, 0.2071

Inverse Universe

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



18.6264, 0.3796, 0.2686



27.9590, 0.4032, 0.2570



42.0555, 0.3834, 0.4459



8.5714, 0.3214, 0.3180



7.2664, 0.4998, 0.2527



0.2404, 0.4373, 0.2183

Previews

White Background



This preview shows how the Yxy color 22.2136, 0.2349, 0.2517 looks on a white background.

Color Contrast Check

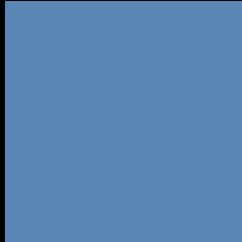
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2136, 0.2349, 0.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

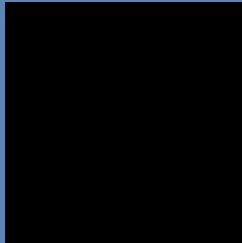
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

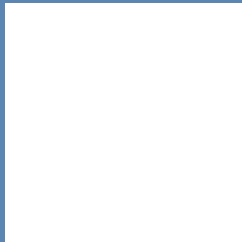
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2136, 0.2349, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 22.2136, 0.2349, 0.2517.



This preview shows how white text looks on a background with the Yxy color 22.2136, 0.2349, 0.2517.

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

22.2136, 0.2349, 0.2517

Protanopia

22.2073, 0.2566, 0.2526

Deuteranopia

22.2037, 0.2502, 0.2451



Tritanopia

22.1407, 0.2503, 0.3080

Trichromacy



Original Color

22.2136, 0.2349, 0.2517

Protanomaly

22.1862, 0.2485, 0.2531

Deuteranomaly

22.2232, 0.2440, 0.2471

Tritanomaly

22.0777, 0.2438, 0.2849

Monochromacy



Original Color

22.2136, 0.2349, 0.2517

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2556, 0.2790, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2136, 0.2349, 0.2517 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(91, 133, 178)` looks like.

```
.text, #text, p{  
    color:rgb(91, 133, 178)  
}
```

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(91, 133, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 133, 178) }
```

Border

The CSS property to change the border of an element to Yxy 22.2136, 0.2349, 0.2517 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(91, 133, 178) }
```

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

```
.border{ border-color:rgb(91, 133, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 133, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 133, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 133, 178);  
box-shadow:4px 4px 4px 4px rgb(91, 133,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2136, 0.2349, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 133, 178) }
```

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

```
.background{ background-color: rgb(91, 133,  
178) }
```

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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