

Converting Colors

$Y_{xy}(22.9067, 0.2392, 0.1865)$

Have a look what the booklet for
Yxy(22.9067, 0.2392, 0.1865)
contains.

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Color

Yxy(22.9765, 0.2396, 0.1867)

Conversions

Conversions Part 1

Format	Color
Hex	8974DC
RGB	137, 116, 220
RGB Percent	54%, 45%, 86%
CMY	0.4626, 0.5452, 0.1372
CMYK	0.38, 0.47, 0.00, 0.14
HSL	252°, 60%, 66%
HSV	252°, 47%, 86%
XYZ	29.4867, 22.9765, 70.6032
YIQ	134.1350, -20.8680, 36.7960

Conversions

Conversions Part 2

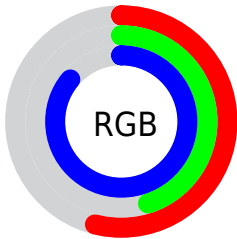
Format	Color
R_{YB}	137, 116, 220
Decimal	9008348
CIE _{Lab}	55.05, 32.24, -50.61
CIE _{LCh}	55, 60.007, 302.496
Yxy	22.9765, 0.2396, 0.1867
Android (android.graphics.Color)	4287198428 (0xFF8974DC)
YUV	134.1350, 42.3314, 2.5126
Hunter-Lab	47.9338, 25.9210, -53.7764

Details

The Yxy color **22.9765, 0.2396, 0.1867** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **64.5934, 0.3654, 0.4513**, and the grayscale version is **23.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6946, 0.2691, 0.2314**, and **8.4885, 0.2146, 0.1495** is the 20% darker color. If you saturate the color by 10%, you get **17.1275, 0.2207, 0.1537**, and if you desaturate by 10%, it is **30.2693, 0.2580, 0.2203**.

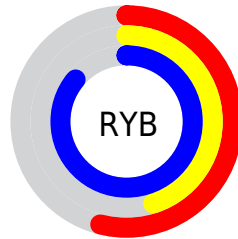
Distribution



Red (54%)

Green (45%)

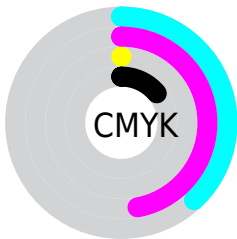
Blue (86%)



Red (54%)

Yellow (45%)

Blue (86%)

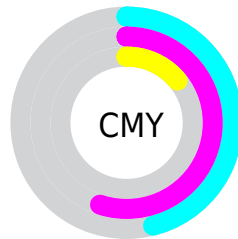


Cyan (38%)

Magenta (47%)

Yellow (0%)

Black (14%)



Cyan (46%)


Magenta (55%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9765, 0.2396, 0.1867 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 22.9765, 0.2396, 0.1867 by changing the saturation by 10% instead.


 22.9765, 0.2396,
0.1867


 22.9765, 0.2396,
0.1867


267.6043, 0.2801,
0.2572


 14.5762, 0.2286,
0.1701


 48.3547, 0.2550,
0.2118


 8.5225, 0.2142,
0.1495


 66.1014, 0.2607,
0.2214

 4.4310, 0.1947,
0.1240


 87.7323, 0.2653,
0.2295

 1.9175, 0.1676,
0.0923

 113.6319, 0.2692,
0.2366

 0.5589, 0.1296,
0.0512

144.1845, 0.2725,
0.2428

 0.0000, 0.0546,
0.0000

179.7745, 0.2754,

 0.0000, 0.0000,

0.2482

0.0000

220.7863, 0.2779,
0.2529

■ 22.9765, 0.2396,
0.1867

■ 22.9765, 0.2396,
0.1867

■ 17.1275, 0.2207,
0.1537

■ 30.2693, 0.2580,
0.2203

■ 12.6221, 0.2022,
0.1233

■ 39.0921, 0.2750,
0.2528

■ 9.3508, 0.1855,
0.0977

■ 49.5269, 0.2904,
0.2831

■ 7.1856, 0.1717,
0.0789

■ 61.6494, 0.3040,
0.3107

■ 5.9584, 0.1615,
0.0674

■ 75.5303, 0.3157,
0.3354

■ 5.7156, 0.1593,
0.0651

■ 91.2363, 0.3258,
0.3572

■ 97.9483, 0.3333,
0.3631

Harmonies

Analogous

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



22.9765, 0.1750, 0.1795



22.9765, 0.2396, 0.1867



22.9765, 0.3382, 0.2200

Triad

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



22.9765, 0.2396, 0.1867



22.9765, 0.5073, 0.4116



22.9765, 0.1863, 0.3767

Complementary

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



22.9765, 0.2396, 0.1867



64.5934, 0.3654, 0.4513

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.



22.9765, 0.2627, 0.4901



22.9765, 0.2396, 0.1867



22.9765, 0.4472, 0.4828

Square

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



22.9765, 0.2396, 0.1867



22.9765, 0.5116, 0.3402



22.9765, 0.3582, 0.5261



22.9765, 0.1475, 0.2669

Rectangle

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



22.9765, 0.2396, 0.1867



22.9765, 0.4119, 0.2544



22.9765, 0.3582, 0.5261



22.9765, 0.2080, 0.4184

Sweetspot

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



22.9773, 0.2396, 0.1867



74.2936, 0.2949, 0.2922



49.8245, 0.2451, 0.3008



15.1460, 0.2918, 0.2860



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.



22.9773, 0.2396, 0.1867



23.7915, 0.2203, 0.1531



28.4497, 0.2872, 0.2037



12.7435, 0.3012, 0.3050



3.3917, 0.1603, 0.0657



0.2564, 0.1758, 0.0742

Inverse Universe

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



31.8274, 0.3397, 0.2347



37.8044, 0.3474, 0.2173



58.6776, 0.3260, 0.4687



13.2273, 0.3168, 0.3105



10.7737, 0.3795, 0.1864



0.7097, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 22.9765, 0.2396, 0.1867 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 22.9765, 0.2396, 0.1867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

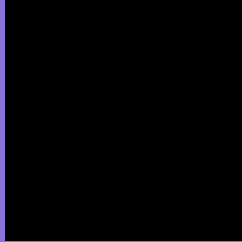
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9765, 0.2396, 0.1867

Background



This preview shows how black text looks on a background with the Yxy color 22.9765, 0.2396, 0.1867.



This preview shows how white text looks on a background with the Yxy color 22.9765, 0.2396, 0.1867.

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

22.9765, 0.2396, 0.1867

Protanopia

23.1494, 0.2018, 0.1801

Deuteranopia

23.0801, 0.2068, 0.2006



Tritanopia

23.0569, 0.2876, 0.3113

Trichromacy



Original Color

22.9765, 0.2396, 0.1867

Protanomaly

22.9003, 0.2125, 0.1816

Deuteranomaly

22.5841, 0.2159, 0.1940

Tritanomaly

22.5929, 0.2675, 0.2556

Monochromacy



Original Color

22.9765, 0.2396, 0.1867

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0463, 0.2828, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9765, 0.2396, 0.1867 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(137, 116, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 116, 220)  
}
```

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(137, 116, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 116, 220) }
```

Border

The CSS property to change the border of an element to Yxy 22.9765, 0.2396, 0.1867 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(137, 116, 220) }
```

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

```
.border{ border-color:rgb(137, 116, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 116, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 116, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 116, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 116,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9765, 0.2396, 0.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 116, 220) }
```

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

```
.background{ background-color: rgb(137,  
116, 220) }
```

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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