

Converting Colors

$Y_{xy}(22.7145, 0.2643, 0.2229)$

Have a look what the booklet for
Yxy(22.7145, 0.2643, 0.2229)
contains.

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Color

Yxy(22.7700, 0.2641, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	8C78BF
RGB	140, 120, 191
RGB Percent	55%, 47%, 75%
CMY	0.4512, 0.5293, 0.2509
CMYK	0.27, 0.37, 0.00, 0.25
HSL	257°, 36%, 61%
HSV	257°, 37%, 75%
XYZ	26.9304, 22.7700, 52.2700
YIQ	134.0740, -10.8710, 26.3210

Conversions

Conversions Part 2

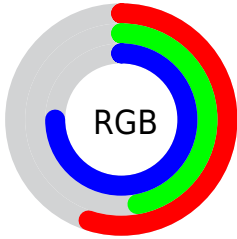
Format	Color
R_{YB}	140, 120, 191
Decimal	9205951
CIE _{Lab}	54.83, 23.08, -34.47
CIE _{LCh}	55, 41.485, 303.803
Yxy	22.7700, 0.2641, 0.2233
Android (android.graphics.Color)	4287396031 (0xFF8C78BF)
YUV	134.0740, 28.0645, 5.1971
Hunter-Lab	47.7179, 17.2331, -31.5435

Details

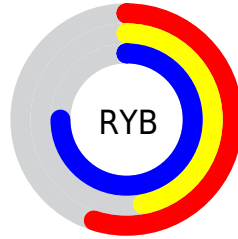
The Yxy color $22.7700, 0.2641, 0.2233$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $47.2875, 0.3499, 0.4261$, and the grayscale version is $23.7657, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.8845, 0.2747, 0.2427$, and $8.3873, 0.2459, 0.1911$ is the 20% darker color. If you saturate the color by 10%, you get $17.5056, 0.2475, 0.1910$, and if you desaturate by 10%, it is $29.1016, 0.2794, 0.2547$.

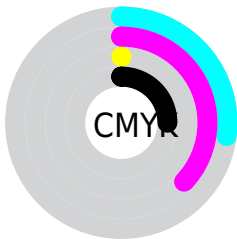
Distribution



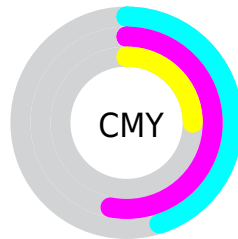
- Red (55%)
- Green (47%)
- Blue (75%)



- Red (55%)
- Yellow (47%)
- Blue (75%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (45%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7700, 0.2641, 0.2233 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 22.7700, 0.2641, 0.2233 by changing the saturation by 10% instead.

■ 22.7700, 0.2641,
0.2233

■ 22.7700, 0.2641,
0.2233

266.5415, 0.2916,
0.2781

■ 14.4238, 0.2562,
0.2093

■ 48.0154, 0.2749,
0.2435

■ 8.4160, 0.2455,
0.1913

■ 65.6833, 0.2787,
0.2510

■ 4.3623, 0.2302,
0.1674

■ 87.2273, 0.2818,
0.2573

■ 1.8782, 0.2073,
0.1349

113.0317, 0.2844,
0.2627

■ 0.5352, 0.1715,
0.0839

143.4809, 0.2866,
0.2674

■ 0.0000, 0.0096,
0.0000

178.9594, 0.2885,

■ 0.0000, 0.0000,

0.2714

0.0000

219.8514, 0.2902,
0.2749

■ 22.7700, 0.2641,
0.2233

■ 22.7700, 0.2641,
0.2233

■ 17.5056, 0.2475,
0.1910

■ 29.1016, 0.2794,
0.2547

■ 13.2454, 0.2301,
0.1591

■ 36.5530, 0.2931,
0.2842

■ 9.9239, 0.2127,
0.1296


■ 45.1768, 0.3051,
0.3113


■ 7.4665, 0.1963,
0.1044


■ 55.0213, 0.3155,
0.3356

■ 5.7865, 0.1820,
0.0852

■ 66.1319, 0.3244,
0.3574


 4.7652, 0.1705,
0.0727

 78.5519, 0.3319,
0.3766

 4.5364, 0.1677,
0.0697

 92.3224, 0.3383,
0.3935

 95.5778, 0.3473,
0.3927

 96.5419, 0.3508,
0.3919

Harmonies

Analogous

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



22.7700, 0.2127, 0.2179



22.7700, 0.2641, 0.2233



22.7700, 0.3357, 0.2501

Triad

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



22.7700, 0.2641, 0.2233



22.7700, 0.4532, 0.4003



22.7700, 0.2210, 0.3600

Complementary

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



22.7700, 0.2641, 0.2233



47.2875, 0.3499, 0.4261

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.



22.7700, 0.2783, 0.4325



22.7700, 0.2641, 0.2233



22.7700, 0.4130, 0.4465

Square

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



22.7700, 0.2641, 0.2233



22.7700, 0.4532, 0.3459



22.7700, 0.3487, 0.4644



22.7700, 0.1899, 0.2862

Rectangle

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



22.7700, 0.2641, 0.2233



22.7700, 0.3858, 0.2775



22.7700, 0.3487, 0.4644



22.7700, 0.2376, 0.3863

Sweetspot

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



22.7709, 0.2641, 0.2233



74.4562, 0.3005, 0.3007



37.2909, 0.2574, 0.3007



15.8827, 0.2989, 0.2970



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



22.7709, 0.2641, 0.2233



32.6057, 0.2500, 0.1957



26.2491, 0.2993, 0.2333



9.3516, 0.3026, 0.3056



3.0165, 0.1689, 0.0704



0.1523, 0.1962, 0.0855

Inverse Universe

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



27.4578, 0.3387, 0.2615



42.4207, 0.3467, 0.2464



43.9047, 0.3204, 0.4359



9.6493, 0.3179, 0.3126



8.4873, 0.4062, 0.2012



0.3431, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 22.7700, 0.2641, 0.2233 looks on a white background.

Color Contrast Check

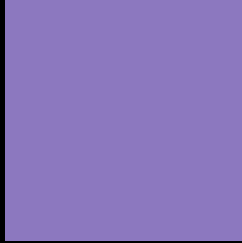
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7700, 0.2641, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

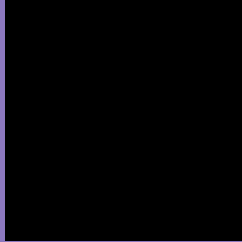
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7700, 0.2641, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 22.7700, 0.2641, 0.2233.



This preview shows how white text looks on a background with the Yxy color 22.7700, 0.2641, 0.2233.

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

22.7700, 0.2641, 0.2233

Protanopia

22.9035, 0.2327, 0.2211

Deuteranopia

22.8906, 0.2403, 0.2343



Tritanopia

22.6342, 0.3012, 0.3099

Trichromacy



Original Color

22.7700, 0.2641, 0.2233

Protanomaly

22.7838, 0.2433, 0.2225

Deuteranomaly

22.6325, 0.2477, 0.2288

Tritanomaly

22.4932, 0.2874, 0.2745

Monochromacy



Original Color

22.7700, 0.2641, 0.2233

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3013, 0.2936, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7700, 0.2641, 0.2233 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(140, 120, 191)` looks like.

```
.text, #text, p{  
    color:rgb(140, 120, 191)  
}
```

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(140, 120, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 120, 191) }
```

Border

The CSS property to change the border of an element to Yxy 22.7700, 0.2641, 0.2233 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(140, 120, 191) }
```

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

```
.border{ border-color:rgb(140, 120, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 120, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 120, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 120, 191);  
box-shadow:4px 4px 4px 4px rgb(140, 120,  
191) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7700, 0.2641, 0.2233$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 120, 191) }
```

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

```
.background{ background-color: rgb(140,  
120, 191) }
```

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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