

Converting Colors

$Y_{xy}(23.0031, 0.2819, 0.2109)$

Have a look what the booklet for
Yxy(23.0031, 0.2819, 0.2109)
contains.

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Color

Yxy(22.9239, 0.2822, 0.2111)

Conversions

Conversions Part 1

Format	Color
Hex	A36EC4
RGB	163, 110, 196
RGB Percent	64%, 43%, 77%
CMY	0.3607, 0.5686, 0.2314
CMYK	0.17, 0.44, 0.00, 0.23
HSL	277°, 42%, 60%
HSV	277°, 44%, 77%
XYZ	30.6448, 22.9239, 55.0239
YIQ	135.6510, 3.9820, 37.9820

Conversions

Conversions Part 2

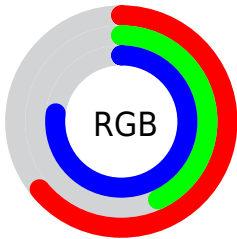
Format	Color
R_{YB}	163, 110, 196
Decimal	10710724
CIE _{Lab}	54.99, 36.85, -36.90
CIE _{LCh}	55, 52.147, 314.958
Yxy	22.9239, 0.2822, 0.2111
Android (android.graphics.Color)	4288900804 (0xFFA36EC4)
YUV	135.6510, 29.7521, 23.9851
Hunter-Lab	47.8789, 30.4606, -34.6226

Details

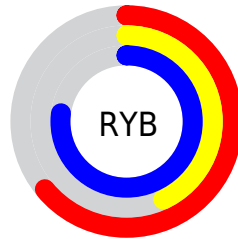
The Yxy color $22.9239, 0.2822, 0.2111$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $46.4346, 0.3313, 0.4542$, and the grayscale version is $24.3700, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.3463, 0.2894, 0.2330$, and $8.4359, 0.2680, 0.1765$ is the 20% darker color. If you saturate the color by 10%, you get $18.3834, 0.2727, 0.1839$, and if you desaturate by 10%, it is $28.4486, 0.2908, 0.2392$.

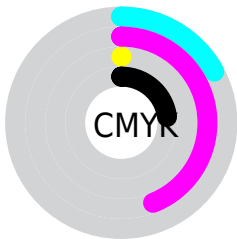
Distribution



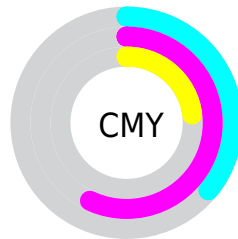
- Red (64%)
- Green (43%)
- Blue (77%)



- Red (64%)
- Yellow (43%)
- Blue (77%)



- Cyan (17%)
- Magenta (44%)
- Yellow (0%)
- Black (23%)



- Cyan (36%)
- Magenta (57%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9239, 0.2822, 0.2111 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 22.9239, 0.2822, 0.2111 by changing the saturation by 10% instead.

■ 22.9239, 0.2822,
0.2111

■ 22.9239, 0.2822,
0.2111

267.3339, 0.3005,
0.2708

■ 14.5373, 0.2766,
0.1963

■ 48.2683, 0.2896,
0.2328

■ 8.4953, 0.2688,
0.1777

■ 65.9950, 0.2922,
0.2409

■ 4.4135, 0.2574,
0.1534

■ 87.6038, 0.2943,
0.2478

■ 1.9075, 0.2397,
0.1214

■ 113.4792, 0.2960,
0.2537

■ 0.5529, 0.2111,
0.0743

144.0054, 0.2974,
0.2588

■ 0.0000, 0.1358,
0.0000

179.5671, 0.2986,

■ 0.0000, 0.0000,

0.2633

0.0000

220.5484, 0.2996,
0.2673

■ 22.9239, 0.2822,
0.2111

■ 22.9239, 0.2822,
0.2111

■ 18.3834, 0.2727,
0.1839

■ 28.4486, 0.2908,
0.2392

■ 14.7611, 0.2626,
0.1588

■ 35.0120, 0.2985,
0.2672

■ 11.9872, 0.2523,
0.1371


■ 42.6681, 0.3051,
0.2942


■ 9.9802, 0.2420,
0.1200


■ 51.4662, 0.3108,
0.3196


■ 8.6417, 0.2322,
0.1078


■ 61.4523, 0.3155,
0.3432

 8.0385, 0.2265,
0.1022

 72.6703, 0.3195,
0.3648

 85.1613, 0.3227,
0.3844

 91.2131, 0.3267,
0.3911

 92.4342, 0.3316,
0.3902

Harmonies

Analogous

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



22.9239, 0.2102, 0.1944



22.9239, 0.2822, 0.2111



22.9239, 0.3760, 0.2505

Triad

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



22.9239, 0.2822, 0.2111



22.9239, 0.4697, 0.4340



22.9239, 0.1821, 0.3286

Complementary

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



22.9239, 0.2822, 0.2111



46.4346, 0.3313, 0.4542

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.



22.9239, 0.2388, 0.4310



22.9239, 0.2822, 0.2111



22.9239, 0.4047, 0.4873

Square

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



22.9239, 0.2822, 0.2111



22.9239, 0.4937, 0.3691



22.9239, 0.3205, 0.4956



22.9239, 0.1598, 0.2473

Rectangle

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



22.9239, 0.2822, 0.2111



22.9239, 0.4354, 0.2862



22.9239, 0.3205, 0.4956



22.9239, 0.1972, 0.3626

Sweetspot

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



22.9248, 0.2822, 0.2111



78.3116, 0.3055, 0.2959



27.3654, 0.2405, 0.2490



16.0518, 0.3041, 0.2900



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.



22.9248, 0.2822, 0.2111



33.3394, 0.2728, 0.1840



26.4896, 0.3270, 0.2319



10.0485, 0.3078, 0.3059



5.2168, 0.2278, 0.1028



0.2640, 0.2487, 0.1144

Inverse Universe

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



24.8673, 0.3819, 0.2853



37.6226, 0.4065, 0.2763



44.1096, 0.3011, 0.4507



10.1404, 0.3230, 0.3202



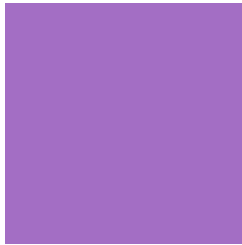
7.8841, 0.5419, 0.2759



0.3541, 0.4816, 0.2427

Previews

White Background



This preview shows how the Yxy color 22.9239, 0.2822, 0.2111 looks on a white background.

Color Contrast Check

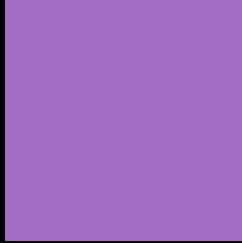
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9239, 0.2822, 0.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

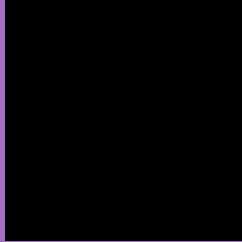
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9239, 0.2822, 0.2111

Background



This preview shows how black text looks on a background with the Yxy color 22.9239, 0.2822, 0.2111.



This preview shows how white text looks on a background with the Yxy color 22.9239, 0.2822, 0.2111.

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

22.9239, 0.2822, 0.2111

Protanopia

23.1573, 0.2188, 0.2027

Deuteranopia

23.1642, 0.2371, 0.2318



Tritanopia

22.9088, 0.3366, 0.3128

Trichromacy



Original Color

22.9239, 0.2822, 0.2111



Protanomaly

22.5616, 0.2369, 0.2036



Deuteranomaly

22.5282, 0.2510, 0.2221



Tritanomaly

22.7961, 0.3155, 0.2705

Monochromacy



Original Color

22.9239, 0.2822, 0.2111



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.7584, 0.3015, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9239, 0.2822, 0.2111 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(163, 110, 196)` looks like.

```
.text, #text, p{  
    color:rgb(163, 110, 196)  
}
```

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(163, 110, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 110, 196) }
```

Border

The CSS property to change the border of an element to Yxy 22.9239, 0.2822, 0.2111 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(163, 110, 196) }
```

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

```
.border{ border-color:rgb(163, 110, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 110, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 110, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 110, 196);  
box-shadow:4px 4px 4px 4px rgb(163, 110,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9239, 0.2822, 0.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 110, 196) }
```

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

```
.background{ background-color: rgb(163,  
110, 196) }
```

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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