

Converting Colors

$Y_{xy}(22.5075, 0.2802, 0.2059)$

Have a look what the booklet for
Yxy(22.5075, 0.2802, 0.2059)
contains.

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Color

Yxy(22.5889, 0.2802, 0.2064)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A36CC6 |
| RGB | 163, 108, 198 |
| RGB Percent | 64%, 42%, 78% |
| CMY | 0.3607, 0.5765, 0.2234 |
| CMYK | 0.18, 0.45, 0.00, 0.22 |
| HSL | 277°, 44%, 60% |
| HSV | 277°, 45%, 78% |
| XYZ | 30.6657, 22.5889, 56.1877 |
| YIQ | 134.7050, 3.8900, 39.6500 |

Conversions

Conversions Part 2

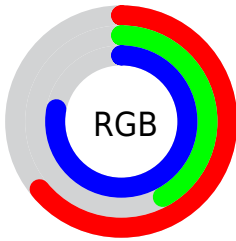
| Format | Color |
|-------------------------------------|--|
| RYB | 163, 108, 198 |
| Decimal | 10710214 |
| CIELab | 54.65, 38.42, -38.62 |
| CIELCh | 55, 54.474, 314.856 |
| Yxy | 22.5889, 0.2802, 0.2064 |
| Android (android.graphics.Color) | 4288900294 (0xFFA36CC6) |
| YUV | 134.7050, 31.2044, 24.8147 |
| Hunter-Lab | 47.5278, 31.9977, -36.8236 |

Details

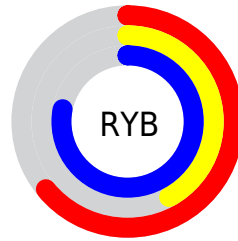
The Yxy color **22.5889, 0.2802, 0.2064** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.3234, 0.3321, 0.4591**, and the grayscale version is **23.9955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7698, 0.2879, 0.2292**, and **8.2909, 0.2653, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **18.0889, 0.2705, 0.1793**, and if you desaturate by 10%, it is **28.0888, 0.2891, 0.2346**.

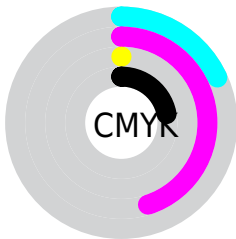
Distribution



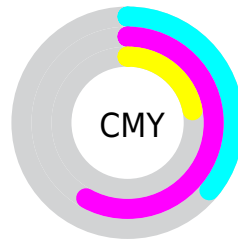
- Red (64%)
- Green (42%)
- Blue (78%)



- Red (64%)
- Yellow (42%)
- Blue (78%)



- Cyan (18%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)





- Cyan (36%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5889, 0.2802, 0.2064 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 22.5889, 0.2802, 0.2064 by changing the saturation by 10% instead.


 22.5889, 0.2802,
0.2064


 22.5889, 0.2802,
0.2064


265.6064, 0.2998,
0.2682

 14.2903, 0.2742,
0.1912


 47.7174, 0.2881,
0.2288

 8.3228, 0.2660,
0.1721


 65.3161, 0.2908,
0.2372

 4.3022, 0.2539,
0.1474


 86.7835, 0.2931,
0.2444

 1.8440, 0.2353,
0.1151

 112.5041, 0.2949,
0.2505

 0.5144, 0.2056,
0.0672

142.8624, 0.2964,
0.2558

 0.0000, 0.1296,
0.0000

178.2425, 0.2977,

 0.0000, 0.0000,

0.2605

0.0000

219.0291, 0.2988,
0.2646

■ 22.5889, 0.2802,
0.2064

■ 22.5889, 0.2802,
0.2064

■ 18.0889, 0.2705,
0.1793

■ 28.0888, 0.2891,
0.2346

■ 14.5200, 0.2602,
0.1546

■ 34.6456, 0.2971,
0.2627

■ 11.8090, 0.2496,
0.1335


■ 42.3153, 0.3040,
0.2899


■ 9.8701, 0.2393,
0.1170

■ 51.1489, 0.3099,
0.3157


■ 8.5979, 0.2295,
0.1056

■ 61.1944, 0.3149,
0.3396

 8.1464, 0.2253,
0.1015

 72.4969, 0.3190,
0.3615

 85.0992, 0.3224,
0.3814

 91.5444, 0.3265,
0.3887

 92.8070, 0.3315,
0.3878

Harmonies

Analogous

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



22.5889, 0.2057, 0.1892



22.5889, 0.2802, 0.2064



22.5889, 0.3785, 0.2469

Triad

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



22.5889, 0.2802, 0.2064



22.5889, 0.4760, 0.4367



22.5889, 0.1766, 0.3283

Complementary

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



22.5889, 0.2802, 0.2064



47.3234, 0.3321, 0.4591

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.



22.5889, 0.2352, 0.4370



22.5889, 0.2802, 0.2064



22.5889, 0.4077, 0.4939

Square

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



22.5889, 0.2802, 0.2064



22.5889, 0.5019, 0.3691



22.5889, 0.3201, 0.5048



22.5889, 0.1539, 0.2432

Rectangle

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



22.5889, 0.2802, 0.2064



22.5889, 0.4411, 0.2837



22.5889, 0.3201, 0.5048



22.5889, 0.1922, 0.3643

Sweetspot

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



22.5898, 0.2802, 0.2064



76.7617, 0.3048, 0.2933



27.2136, 0.2377, 0.2454



15.7445, 0.3034, 0.2874



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.



22.5898, 0.2802, 0.2064



31.7692, 0.2701, 0.1784



26.4074, 0.3276, 0.2286



10.6028, 0.3077, 0.3058



5.3467, 0.2265, 0.1021



0.2941, 0.2462, 0.1130

Inverse Universe

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



24.7151, 0.3850, 0.2831



36.3395, 0.4110, 0.2739



44.8733, 0.3008, 0.4560



10.7041, 0.3230, 0.3201



8.1716, 0.5401, 0.2749



0.4011, 0.4841, 0.2441

Previews

White Background



This preview shows how the Yxy color 22.5889, 0.2802, 0.2064 looks on a white background.

Color Contrast Check

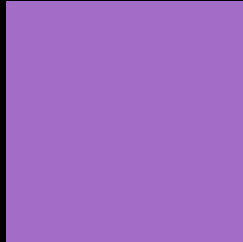
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5889, 0.2802, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

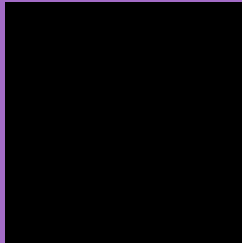
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5889, 0.2802, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 22.5889, 0.2802, 0.2064.



This preview shows how white text looks on a background with the Yxy color 22.5889, 0.2802, 0.2064.

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

22.5889, 0.2802, 0.2064

Protanopia

22.8830, 0.2152, 0.1975

Deuteranopia

22.8034, 0.2333, 0.2270



Tritanopia

22.6042, 0.3392, 0.3144

Trichromacy



Original Color

22.5889, 0.2802, 0.2064

Protanomaly

22.2713, 0.2338, 0.1995

Deuteranomaly

22.2192, 0.2475, 0.2177

Tritanomaly

22.5253, 0.3167, 0.2704

Monochromacy



Original Color

22.5889, 0.2802, 0.2064

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.1556, 0.3004, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5889, 0.2802, 0.2064 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, 108, 198)` looks like.

```
.text, #text, p{  
    color:rgb(163, 108, 198)  
}
```

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, 108, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 108, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.5889, 0.2802, 0.2064 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, 108, 198) }
```

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

```
.border{ border-color:rgb(163, 108, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 108, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 108, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 108, 198);  
box-shadow:4px 4px 4px 4px rgb(163, 108,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5889, 0.2802, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 108, 198) }
```

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

```
.background{ background-color: rgb(163,  
108, 198) }
```

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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