

Converting Colors

$Y_{xy}(22.7300, 0.2814, 0.2118)$

Have a look what the booklet for
Yxy(22.7300, 0.2814, 0.2118)
contains.

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Color

Yxy(22.6691, 0.2810, 0.2114)

Conversions

Conversions Part 1

Format	Color
Hex	A16EC3
RGB	161, 110, 195
RGB Percent	63%, 43%, 76%
CMY	0.3685, 0.5687, 0.2352
CMYK	0.17, 0.44, 0.00, 0.24
HSL	276°, 41%, 60%
HSV	276°, 44%, 76%
XYZ	30.1325, 22.6691, 54.4316
YIQ	134.9390, 3.1110, 37.2470

Conversions

Conversions Part 2

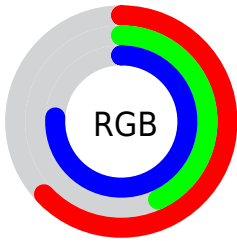
Format	Color
R_{YB}	161, 110, 195
Decimal	10579651
CIE _{Lab}	54.73, 36.06, -36.78
CIE _{LCh}	55, 51.512, 314.434
Yxy	22.6691, 0.2810, 0.2114
Android (android.graphics.Color)	4288769731 (0xFFA16EC3)
YUV	134.9390, 29.6101, 22.8555
Hunter-Lab	47.6121, 29.6472, -34.4537

Details

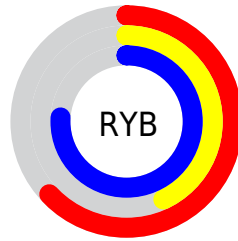
The Yxy color $22.6691, 0.2810, 0.2114$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $46.0925, 0.3324, 0.4529$, and the grayscale version is $24.0929, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9744, 0.2885, 0.2335$, and $8.3864, 0.2663, 0.1781$ is the 20% darker color. If you saturate the color by 10%, you get $18.1308, 0.2711, 0.1839$, and if you desaturate by 10%, it is $28.1857, 0.2900, 0.2397$.

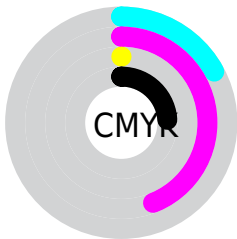
Distribution



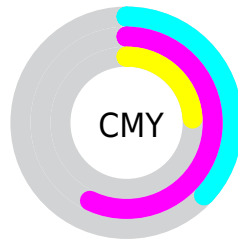
- Red (63%)
- Green (43%)
- Blue (76%)



- Red (63%)
- Yellow (43%)
- Blue (76%)



- Cyan (17%)
- Magenta (44%)
- Yellow (0%)
- Black (24%)





- Cyan (37%)
- Magenta (57%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6691, 0.2810, 0.2114 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 22.6691, 0.2810, 0.2114 by changing the saturation by 10% instead.


 22.6691, 0.2810,
0.2114


 22.6691, 0.2810,
0.2114


266.0208, 0.3000,
0.2711


 14.3494, 0.2752,
0.1966


 47.8494, 0.2887,
0.2331

 8.3641, 0.2672,
0.1778


 65.4788, 0.2913,
0.2413

 4.3288, 0.2554,
0.1534


 86.9802, 0.2935,
0.2482

 1.8591, 0.2372,
0.1212

 112.7379, 0.2952,
0.2541

 0.5236, 0.2079,
0.0726

143.1365, 0.2967,
0.2592

 0.0000, 0.1241,
0.0000

178.5602, 0.2980,

 0.0000, 0.0000,

0.2636

0.0000

219.3935, 0.2991,
0.2676

■ 22.6691, 0.2810,
0.2114

■ 22.6691, 0.2810,
0.2114

■ 18.1308, 0.2711,
0.1839

■ 28.1857, 0.2900,
0.2397

■ 14.5058, 0.2606,
0.1584

■ 34.7345, 0.2980,
0.2678

■ 11.7250, 0.2499,
0.1364

■ 42.3687, 0.3049,
0.2949

■ 9.7083, 0.2392,
0.1188

■ 51.1372, 0.3108,
0.3203

■ 8.3590, 0.2291,
0.1062

■ 61.0854, 0.3158,
0.3438

7.7300, 0.2229,
0.1002

72.2566, 0.3199,
0.3653

84.6917, 0.3233,
0.3848

91.2103, 0.3274,
0.3921

92.4796, 0.3325,
0.3911

Harmonies

Analogous

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



22.6691, 0.2100, 0.1952



22.6691, 0.2810, 0.2114



22.6691, 0.3738, 0.2502

Triad

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



22.6691, 0.2810, 0.2114



22.6691, 0.4694, 0.4324



22.6691, 0.1837, 0.3304

Complementary

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



22.6691, 0.2810, 0.2114



46.0925, 0.3324, 0.4529

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.



22.6691, 0.2408, 0.4316



22.6691, 0.2810, 0.2114



22.6691, 0.4055, 0.4854

Square

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



22.6691, 0.2810, 0.2114



22.6691, 0.4921, 0.3679



22.6691, 0.3221, 0.4945



22.6691, 0.1610, 0.2491

Rectangle

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



22.6691, 0.2810, 0.2114



22.6691, 0.4330, 0.2856



22.6691, 0.3221, 0.4945



22.6691, 0.1991, 0.3642

Sweetspot

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



22.6700, 0.2810, 0.2114



76.4594, 0.3052, 0.2959



27.2005, 0.2409, 0.2496



16.0283, 0.3037, 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.



22.6700, 0.2810, 0.2114



33.0533, 0.2720, 0.1860



26.3200, 0.3269, 0.2325



10.0403, 0.3075, 0.3059



5.0726, 0.2242, 0.1009



0.2584, 0.2458, 0.1127

Inverse Universe

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



24.7651, 0.3794, 0.2837



37.5387, 0.4012, 0.2750



43.6745, 0.3012, 0.4498



10.1431, 0.3228, 0.3198



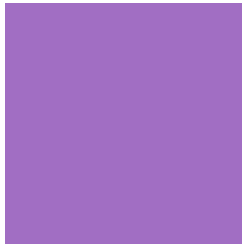
7.9131, 0.5354, 0.2723



0.3555, 0.4765, 0.2398

Previews

White Background



This preview shows how the Yxy color 22.6691, 0.2810, 0.2114 looks on a white background.

Color Contrast Check

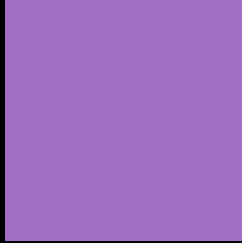
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6691, 0.2810, 0.2114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

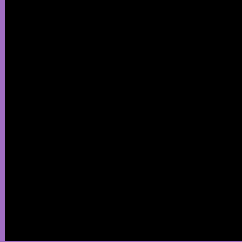
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6691, 0.2810, 0.2114

Background



This preview shows how black text looks on a background with the Yxy color 22.6691, 0.2810, 0.2114.



This preview shows how white text looks on a background with the Yxy color 22.6691, 0.2810, 0.2114.

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

22.6691, 0.2810, 0.2114

Protanopia

23.0563, 0.2199, 0.2048

Deuteranopia

22.8527, 0.2374, 0.2314



Tritanopia

22.6881, 0.3353, 0.3143

Trichromacy



Original Color

22.6691, 0.2810, 0.2114



Protanomaly

22.4644, 0.2382, 0.2057



Deuteranomaly

22.4837, 0.2517, 0.2233



Tritanomaly

22.5625, 0.3142, 0.2715

Monochromacy



Original Color

22.6691, 0.2810, 0.2114



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.2853, 0.3003, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6691, 0.2810, 0.2114 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(161, 110, 195)` looks like.

```
.text, #text, p{  
    color:rgb(161, 110, 195)  
}
```

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(161, 110, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 110, 195) }
```

Border

The CSS property to change the border of an element to Yxy 22.6691, 0.2810, 0.2114 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(161, 110, 195) }
```

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

```
.border{ border-color:rgb(161, 110, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 110, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 110, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 110, 195);  
box-shadow:4px 4px 4px 4px rgb(161, 110,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6691, 0.2810, 0.2114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 110, 195) }
```

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

```
.background{ background-color: rgb(161,  
110, 195) }
```

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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