

Converting Colors

$Yxy(42.7023, 0.2711, 0.2775)$

Have a look what the booklet for
Yxy(42.7023, 0.2711, 0.2775)
contains.

| | |
|---|----|
| Yxy(42.6007, 0.2712, 0.2766) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(42.6007, 0.2712, 0.2766)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | A0AED6 |
| RGB | 160, 174, 214 |
| RGB Percent | 63%, 68%, 84% |
| CMY | 0.3726, 0.3176, 0.1607 |
| CMYK | 0.25, 0.19, 0.00, 0.16 |
| HSL | 224°, 40%, 73% |
| HSV | 224°, 25%, 84% |
| XYZ | 41.7690, 42.6007, 69.6458 |
| YIQ | 174.3740, -21.1840, 9.4720 |

Conversions

Conversions Part 2

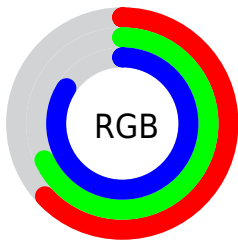
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 160, 171, 214 |
| Decimal | 10530518 |
| CIE Lab | 71.28, 3.92, -21.83 |
| CIE LCh | 71, 22.183, 280.174 |
| Yxy | 42.6007, 0.2712, 0.2766 |
| Android (android.graphics.Color) | 4288720598 (0xFFFA0AED6) |
| YUV | 174.3740, 19.5356, -12.6060 |
| Hunter-Lab | 65.2692, 0.0099, -17.5772 |

Details

The Yxy color **42.6007, 0.2712, 0.2766** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.1377, 0.3543, 0.3764**, and the grayscale version is **42.4352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7057, 0.2877, 0.3018**, and **19.5481, 0.2592, 0.2628** is the 20% darker color. If you saturate the color by 10%, you get **34.8174, 0.2529, 0.2518**, and if you desaturate by 10%, it is **51.4893, 0.2886, 0.2992**.

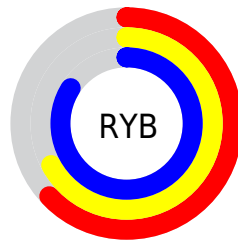
Distribution



Red (63%)

Green (68%)

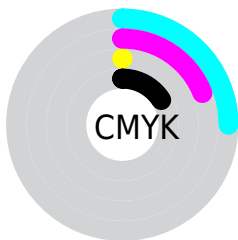
Blue (84%)



Red (63%)

Yellow (67%)

Blue (84%)

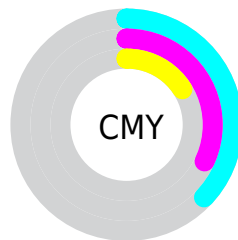


Cyan (25%)

Magenta (19%)

Yellow (0%)

Black (16%)



Cyan (37%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6007, 0.2712, 0.2766 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 42.6007, 0.2712, 0.2766 by changing the saturation by 10% instead.


 42.6007, 0.2712,
0.2766


 42.6007, 0.2712,
0.2766


356.9671, 0.2921,
0.3026

 29.5719, 0.2660,
0.2702


 79.1080, 0.2788,
0.2860

 19.5139, 0.2593,
0.2620


 103.3552, 0.2816,
0.2895

 12.0422, 0.2504,
0.2513


132.1108, 0.2841,
0.2926

 6.7724, 0.2382,
0.2367

165.7591, 0.2861,
0.2951

 3.3202, 0.2202,
0.2155

204.6845, 0.2879,
0.2974

 1.3011, 0.1918,
0.1829

249.2713, 0.2895,

 0.1420, 0.1027,

0.2993

0.0632

299.9041, 0.2909,
0.3011

0.0000, 0.0000,
0.0000

42.6007, 0.2712,
0.2766

42.6007, 0.2712,
0.2766

34.8174, 0.2529,
0.2518

51.4893, 0.2886,
0.2992

28.0900, 0.2341,
0.2251

61.5201, 0.3048,
0.3194

22.3724, 0.2155,
0.1971

72.7342, 0.3196,
0.3372

17.6133, 0.1981,
0.1691

85.1694, 0.3331,
0.3528

13.7561, 0.1827,
0.1421

96.5163, 0.3372,
0.3674

■ 10.7379, 0.1702,
0.1178

■ 97.6356, 0.3369,
0.3691

■ 8.4856, 0.1614,
0.0975

■ 7.6404, 0.1582,
0.0893

Harmonies

Analogous

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



42.6007, 0.2554, 0.2855



42.6007, 0.2712, 0.2766



42.6007, 0.2984, 0.2807

Triad

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



42.6007, 0.2712, 0.2766



42.6007, 0.3752, 0.3458



42.6007, 0.2929, 0.3657

Complementary

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



42.6007, 0.2712, 0.2766



58.1377, 0.3543, 0.3764

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.



42.6007, 0.3246, 0.3836



42.6007, 0.2712, 0.2766



42.6007, 0.3730, 0.3698

Square

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



42.6007, 0.2712, 0.2766



42.6007, 0.3595, 0.3193



42.6007, 0.3541, 0.3844



42.6007, 0.2674, 0.3366

Rectangle

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



42.6007, 0.2712, 0.2766



42.6007, 0.3200, 0.2898



42.6007, 0.3541, 0.3844



42.6007, 0.3031, 0.3734

Sweetspot

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



42.6024, 0.2712, 0.2766



87.0726, 0.3003, 0.3139



59.7219, 0.2844, 0.3472



18.1442, 0.2979, 0.3109



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.



42.6024, 0.2712, 0.2766



57.2957, 0.2620, 0.2643



38.8292, 0.2798, 0.2596



12.5276, 0.2982, 0.3112



4.7619, 0.1588, 0.0917



0.4222, 0.1683, 0.1257

Inverse Universe

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



42.4900, 0.3521, 0.3121



57.3938, 0.3628, 0.3085



63.1095, 0.3406, 0.3938



12.4732, 0.3251, 0.3230



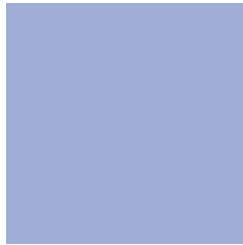
8.8256, 0.5886, 0.3016



0.5459, 0.5386, 0.2741

Previews

White Background



This preview shows how the Yxy color 42.6007, 0.2712, 0.2766 looks on a white background.

Color Contrast Check

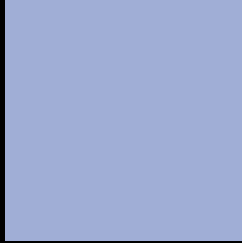
Large Text (above 18pt) WCAG AA × Fail

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 42.6007, 0.2712, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

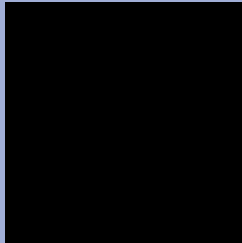
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6007, 0.2712, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 42.6007, 0.2712, 0.2766.



This preview shows how white text looks on a background with the Yxy color 42.6007, 0.2712, 0.2766.

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

42.6007, 0.2712, 0.2766

Protanopia

42.6906, 0.2756, 0.2770

Deuteranopia

42.6900, 0.2787, 0.2727



Tritanopia

42.7145, 0.2838, 0.3097

Trichromacy



Original Color

42.6007, 0.2712, 0.2766

Protanomaly

42.4778, 0.2740, 0.2768

Deuteranomaly

42.6268, 0.2756, 0.2735

Tritanomaly

42.7825, 0.2789, 0.2979

Monochromacy



Original Color

42.6007, 0.2712, 0.2766

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3812, 0.2964, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6007, 0.2712, 0.2766 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(160, 174, 214)` looks like.

```
.text, #text, p{  
    color:rgb(160, 174, 214)  
}
```

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(160, 174, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 174, 214) }
```

Border

The CSS property to change the border of an element to Yxy 42.6007, 0.2712, 0.2766 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(160, 174, 214) }
```

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

```
.border{ border-color:rgb(160, 174, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 174, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 174, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 174, 214);  
box-shadow:4px 4px 4px 4px rgb(160, 174,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6007, 0.2712, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 174, 214) }
```

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

```
.background{ background-color: rgb(160,  
174, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor