

Converting Colors

$Y_{xy}(21.7674, 0.2882, 0.3567)$

Have a look what the booklet for
Yxy(21.7674, 0.2882, 0.3567)
contains.

| | |
|---|----|
| Yxy(21.7228, 0.2882, 0.3563) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(21.7228, 0.2882, 0.3563)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 64887A |
| RGB | 100, 136, 122 |
| RGB Percent | 39%, 53%, 48% |
| CMY | 0.6079, 0.4666, 0.5216 |
| CMYK | 0.26, 0.00, 0.10, 0.47 |
| HSL | 157°, 15%, 46% |
| HSV | 157°, 26%, 53% |
| XYZ | 17.5709, 21.7228, 21.6740 |
| YIQ | 123.6400, -16.9620, -11.9860 |

Conversions

Conversions Part 2

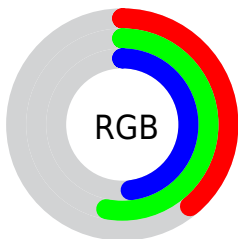
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 100, 122, 136 |
| Decimal | 6588538 |
| CIE _{Lab} | 53.73, -15.74, 3.45 |
| CIE _{LCh} | 54, 16.109, 167.633 |
| Yxy | 21.7228, 0.2882, 0.3563 |
| Android (android.graphics.Color) | 4284778618 (0xFF64887A) |
| YUV | 123.6400, -0.8085, -20.7323 |
| Hunter-Lab | 46.6077, -14.2698, 5.0537 |

Details

The Yxy color **21.7228, 0.2882, 0.3563** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.5625, 0.3460, 0.3033**, and the grayscale version is **20.0365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1266, 0.2942, 0.3499**, and **7.8667, 0.2789, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **20.8842, 0.2800, 0.3684**, and if you desaturate by 10%, it is **22.6998, 0.2971, 0.3452**.

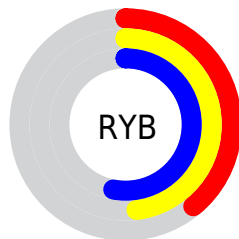
Distribution



Red (39%)

Green (53%)

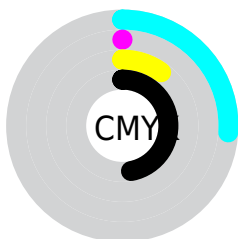
Blue (48%)



Red (39%)

Yellow (48%)

Blue (53%)

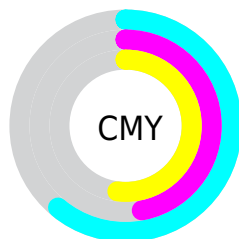


Cyan (26%)

Magenta (0%)

Yellow (10%)

Black (47%)



Cyan (61%)


Magenta (47%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7228, 0.2882, 0.3563 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 21.7228, 0.2882, 0.3563 by changing the saturation by 10% instead.


 21.7228, 0.2882,
0.3563


 21.7228, 0.2882,
0.3563


261.0952, 0.3021,
0.3407


 13.6534, 0.2840,
0.3611


 46.2874, 0.2937,
0.3501


 7.8800, 0.2781,
0.3678


 63.5514, 0.2957,
0.3479

 4.0182, 0.2692,
0.3782

 84.6490, 0.2972,
0.3461

 1.6838, 0.2541,
0.3960

 109.9646, 0.2985,
0.3447

 0.4131, 0.0135,
0.6555

139.8826, 0.2996,
0.3434

 0.0000, 0.0000,
0.0000

174.7875, 0.3006,

0.3424

215.0636, 0.3014,
0.3415

■ 21.7228, 0.2882,
0.3563

■ 21.7228, 0.2882,
0.3563

■ 20.8842, 0.2800,
0.3684

■ 22.6998, 0.2971,
0.3452

■ 20.1748, 0.2728,
0.3815

■ 23.8186, 0.3065,
0.3350

■ 19.5884, 0.2669,
0.3952

■ 25.0859, 0.3161,
0.3259

■ 19.1172, 0.2625,
0.4096

■ 26.5070, 0.3258,
0.3178

■ 18.7525, 0.2599,
0.4242

■ 28.0870, 0.3354,
0.3105

■ 18.4844, 0.2592,
0.4389

■ 29.8308, 0.3447,
0.3041

■ 18.2956, 0.2602,
0.4534

■ 31.7432, 0.3538,
0.2985

■ 18.2356, 0.2607,
0.4585

■ 33.8285, 0.3626,
0.2936

■ 36.0910, 0.3709,
0.2893

Harmonies

Analogous

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



21.7228, 0.3163, 0.3757



21.7228, 0.2882, 0.3563



21.7228, 0.2672, 0.3291

Triad

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



21.7228, 0.2882, 0.3563



21.7228, 0.2803, 0.2810



21.7228, 0.3705, 0.3504

Complementary

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



21.7228, 0.2882, 0.3563



15.5625, 0.3460, 0.3033

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.



21.7228, 0.3601, 0.3262



21.7228, 0.2882, 0.3563



21.7228, 0.3069, 0.2874

Square

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



21.7228, 0.2882, 0.3563



21.7228, 0.2629, 0.2863



21.7228, 0.3364, 0.3037



21.7228, 0.3645, 0.3706

Rectangle

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



21.7228, 0.2882, 0.3563



21.7228, 0.2597, 0.3112



21.7228, 0.3364, 0.3037



21.7228, 0.3688, 0.3425

Sweetspot

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



21.7237, 0.2882, 0.3563



41.6194, 0.3049, 0.3367



22.1341, 0.3255, 0.3981



9.5744, 0.3036, 0.3380



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.7237, 0.2882, 0.3563



37.3330, 0.2830, 0.3637



21.0991, 0.2748, 0.3220



5.6562, 0.3039, 0.3376



17.2595, 0.2606, 0.4582



0.1175, 0.2428, 0.3941

Inverse Universe

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



15.5625, 0.3460, 0.3033



24.5122, 0.3564, 0.2970



15.9735, 0.3651, 0.3359



5.0787, 0.3224, 0.3205



5.1986, 0.5355, 0.2723



0.0373, 0.4338, 0.2163

Previews

White Background



This preview shows how the Yxy color 21.7228, 0.2882, 0.3563 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 21.7228, 0.2882, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

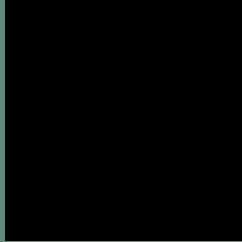
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7228, 0.2882, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 21.7228, 0.2882, 0.3563.

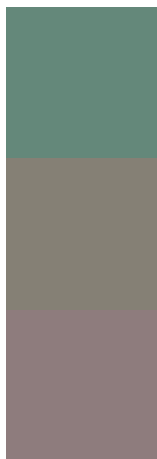


This preview shows how white text looks on a background with the Yxy color 21.7228, 0.2882, 0.3563.

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

21.7228, 0.2882, 0.3563

Protanopia

21.7092, 0.3310, 0.3488

Deuteranopia

21.6468, 0.3337, 0.3273



Tritanopia

21.7317, 0.2716, 0.3085

Trichromacy



Original Color

21.7228, 0.2882, 0.3563

Protanomaly

21.6295, 0.3140, 0.3513

Deuteranomaly

21.4056, 0.3159, 0.3363

Tritanomaly

21.7113, 0.2780, 0.3251

Monochromacy



Original Color

21.7228, 0.2882, 0.3563

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5132, 0.3030, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7228, 0.2882, 0.3563 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(100, 136, 122)` looks like.

```
.text, #text, p{  
    color:rgb(100, 136, 122)  
}
```

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(100, 136, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 136, 122) }
```

Border

The CSS property to change the border of an element to Yxy 21.7228, 0.2882, 0.3563 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(100, 136, 122) }
```

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

```
.border{ border-color:rgb(100, 136, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 136, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 136, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 136, 122);  
box-shadow:4px 4px 4px 4px rgb(100, 136,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7228, 0.2882, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 136, 122) }
```

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

```
.background{ background-color: rgb(100,  
136, 122) }
```

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