

Converting Colors

$Y_{xy}(21.4536, 0.3018, 0.2583)$

Have a look what the booklet for
Yxy(21.4536, 0.3018, 0.2583)
contains.

Yxy(21.4536, 0.3018, 0.2583)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4536, 0.3018, 0.2583)

Conversions

Conversions Part 1

Format	Color
Hex	9574A1
RGB	149, 116, 161
RGB Percent	58%, 45%, 63%
CMY	0.4159, 0.5450, 0.3686
CMYK	0.07, 0.28, 0.00, 0.37
HSL	284°, 19%, 54%
HSV	284°, 28%, 63%
XYZ	25.0666, 21.4536, 36.5367
YIQ	130.9970, 5.2230, 20.9910

Conversions

Conversions Part 2

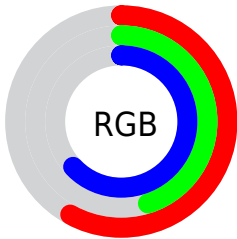
Format	Color
R_{YB}	149, 116, 161
Decimal	9794721
CIE _{Lab}	53.44, 21.32, -19.25
CIE _{LCh}	53, 28.728, 317.921
Yxy	21.4536, 0.3018, 0.2583
Android (android.graphics.Color)	4287984801 (0xFF9574A1)
YUV	130.9970, 14.7915, 15.7886
Hunter-Lab	46.3180, 15.5448, -14.3467

Details

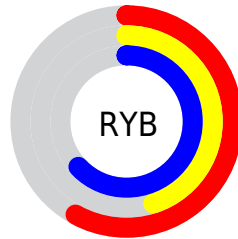
The Yxy color $21.4536, 0.3018, 0.2583$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $31.3446, 0.3204, 0.4048$, and the grayscale version is $22.6402, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.8005, 0.3050, 0.2723$, and $7.7151, 0.2975, 0.2341$ is the 20% darker color. If you saturate the color by 10%, you get $17.6602, 0.2966, 0.2318$, and if you desaturate by 10%, it is $25.9071, 0.3063, 0.2846$.

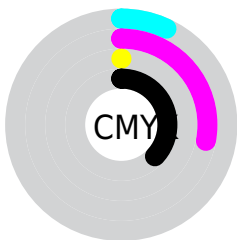
Distribution



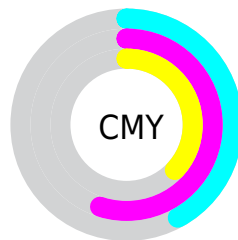
- Red (58%)
- Green (45%)
- Blue (63%)



- Red (58%)
- Yellow (45%)
- Blue (63%)



- Cyan (7%)
- Magenta (28%)
- Yellow (0%)
- Black (37%)





- Cyan (42%)
- Magenta (55%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4536, 0.3018, 0.2583 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 21.4536, 0.3018, 0.2583 by changing the saturation by 10% instead.


 21.4536, 0.3018,
0.2583


 21.4536, 0.3018,
0.2583


259.6794, 0.3086,
0.2962


 13.4560, 0.2995,
0.2480


 45.8412, 0.3046,
0.2727


 7.7433, 0.2962,
0.2341


 63.0000, 0.3056,
0.2779

 3.9311, 0.2911,
0.2148

 83.9813, 0.3064,
0.2823

 1.6351, 0.2820,
0.1862

 109.1696, 0.3070,
0.2859

 0.3811, 0.2706,
0.1167

138.9491, 0.3075,
0.2891

 0.0000, 0.0000,
0.0000

173.7043, 0.3079,

0.2918

213.8196, 0.3083,
0.2942

■ 21.4536, 0.3018,
0.2583

■ 21.4536, 0.3018,
0.2583

■ 17.6602, 0.2966,
0.2318

■ 25.9071, 0.3063,
0.2846

■ 14.4909, 0.2907,
0.2059

■ 31.0489, 0.3101,
0.3099

■ 11.9103, 0.2842,
0.1816

■ 36.9090, 0.3133,
0.3338

■ 9.8781, 0.2773,
0.1601

■ 43.5145, 0.3159,
0.3561

■ 8.3493, 0.2702,
0.1422

■ 50.8914, 0.3180,
0.3766

■ 7.2712, 0.2631,
0.1288

■ 59.0643, 0.3197,
0.3953

■ 6.5519, 0.2561,
0.1195

■ 68.0566, 0.3210,
0.4122

■ 6.4172, 0.2547,
0.1177

■ 77.8908, 0.3220,
0.4275

■ 84.7529, 0.3234,
0.4360

Harmonies

Analogous

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



21.4536, 0.2558, 0.2466



21.4536, 0.3018, 0.2583



21.4536, 0.3549, 0.2853

Triad

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



21.4536, 0.3018, 0.2583



21.4536, 0.4040, 0.4005



21.4536, 0.2329, 0.3266

Complementary

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



21.4536, 0.3018, 0.2583



31.3446, 0.3204, 0.4048

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.



21.4536, 0.2679, 0.3788



21.4536, 0.3018, 0.2583



21.4536, 0.3667, 0.4221

Square

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



21.4536, 0.3018, 0.2583



21.4536, 0.4166, 0.3636



21.4536, 0.3166, 0.4158



21.4536, 0.2188, 0.2810

Rectangle

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



21.4536, 0.3018, 0.2583



21.4536, 0.3861, 0.3094



21.4536, 0.3166, 0.4158



21.4536, 0.2425, 0.3443

Sweetspot

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



21.4545, 0.3018, 0.2583



55.3966, 0.3101, 0.3093



21.9264, 0.2675, 0.2734



11.8432, 0.3096, 0.3058



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.4545, 0.3018, 0.2583



33.7427, 0.2984, 0.2405



22.3154, 0.3272, 0.2750



7.1064, 0.3097, 0.3066



5.1460, 0.2553, 0.1180



0.1293, 0.2804, 0.1318

Inverse Universe

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



21.6330, 0.3560, 0.3100



34.1843, 0.3705, 0.3052



30.7039, 0.3010, 0.3899



7.1157, 0.3245, 0.3230



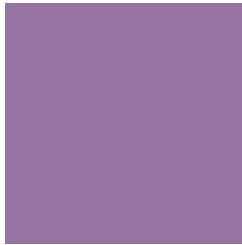
6.1975, 0.5827, 0.2984



0.1376, 0.4873, 0.2458

Previews

White Background



This preview shows how the Yxy color 21.4536, 0.3018, 0.2583 looks on a white background.

Color Contrast Check

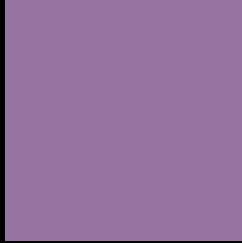
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4536, 0.3018, 0.2583 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 21.4536, 0.3018, 0.2583

Background



This preview shows how black text looks on a background with the Yxy color 21.4536, 0.3018, 0.2583.



This preview shows how white text looks on a background with the Yxy color 21.4536, 0.3018, 0.2583.

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

21.4536, 0.3018, 0.2583

Protanopia

21.4619, 0.2611, 0.2578

Deuteranopia

21.4555, 0.2767, 0.2711



Tritanopia

21.4871, 0.3294, 0.3138

Trichromacy



Original Color

21.4536, 0.3018, 0.2583

Protanomaly

21.2249, 0.2750, 0.2577

Deuteranomaly

21.4437, 0.2851, 0.2660

Tritanomaly

21.4969, 0.3193, 0.2927

Monochromacy



Original Color

21.4536, 0.3018, 0.2583

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2780, 0.3093, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4536, 0.3018, 0.2583 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(149, 116, 161)` looks like.

```
.text, #text, p{  
    color:rgb(149, 116, 161)  
}
```

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(149, 116, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 116, 161) }
```

Border

The CSS property to change the border of an element to Yxy 21.4536, 0.3018, 0.2583 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(149, 116, 161) }
```

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

```
.border{ border-color:rgb(149, 116, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 116, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 116, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 116, 161);  
box-shadow:4px 4px 4px 4px rgb(149, 116,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4536, 0.3018, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 116, 161) }
```

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

```
.background{ background-color: rgb(149,  
116, 161) }
```

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