

Converting Colors

$Y_{xy}(21.5070, 0.2994, 0.3016)$

Have a look what the booklet for
Yxy(21.5070, 0.2994, 0.3016)
contains.

Yxy(21.5418, 0.2990, 0.3010)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5418, 0.2990, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	817E8E
RGB	129, 126, 142
RGB Percent	51%, 49%, 56%
CMY	0.4941, 0.5059, 0.4431
CMYK	0.09, 0.11, 0.00, 0.44
HSL	251°, 7%, 53%
HSV	251°, 11%, 56%
XYZ	21.3987, 21.5418, 28.6270
YIQ	128.7210, -3.3480, 5.6120

Conversions

Conversions Part 2

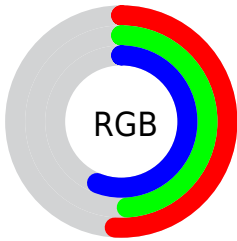
Format	Color
R _{YB}	129, 126, 142
Decimal	8486542
CIE Lab	53.54, 4.44, -8.23
CIE LCh	54, 9.355, 298.347
Yxy	21.5418, 0.2990, 0.3010
Android (android.graphics.Color)	4286676622 (0xFF817E8E)
YUV	128.7210, 6.5465, 0.2447
Hunter-Lab	46.4131, 1.0740, -4.0800

Details

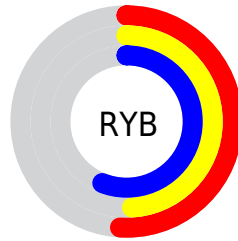
The Yxy color **21.5418, 0.2990, 0.3010** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.3459, 0.3256, 0.3561**, and the grayscale version is **21.8291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1708, 0.3019, 0.3072**, and **7.7859, 0.2935, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **17.3124, 0.2850, 0.2733**, and if you desaturate by 10%, it is **26.3905, 0.3113, 0.3260**.

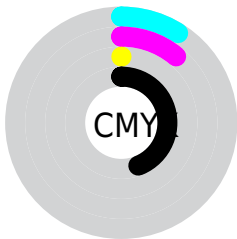
Distribution



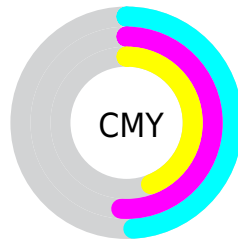
- Red (51%)
- Green (49%)
- Blue (56%)



- Red (51%)
- Yellow (49%)
- Blue (56%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (51%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5418, 0.2990, 0.3010 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 21.5418, 0.2990, 0.3010 by changing the saturation by 10% instead.

■ 21.5418, 0.2990,
0.3010

■ 21.5418, 0.2990,
0.3010

260.1440, 0.3068,
0.3166

■ 13.5206, 0.2967,
0.2965

■ 45.9875, 0.3021,
0.3071

■ 7.7880, 0.2934,
0.2902

■ 63.1808, 0.3032,
0.3093

■ 3.9596, 0.2884,
0.2809

■ 84.2003, 0.3041,
0.3110

■ 1.6510, 0.2801,
0.2659

109.4304, 0.3048,
0.3125

■ 0.3916, 0.2564,
0.2089

139.2553, 0.3054,
0.3138

■ 0.0000, 0.0000,
0.0000

174.0597, 0.3059,

0.3148

214.2278, 0.3064,
0.3158

■ 21.5418, 0.2990,
0.3010

■ 21.5418, 0.2990,
0.3010

■ 17.3124, 0.2850,
0.2733

■ 26.3905, 0.3113,
0.3260

■ 13.6745, 0.2693,
0.2430

■ 31.8794, 0.3219,
0.3482

■ 10.6025, 0.2521,
0.2110

■ 38.0317, 0.3310,
0.3678

■ 8.0676, 0.2339,
0.1783

■ 44.8685, 0.3388,
0.3850

■ 6.0384, 0.2154,
0.1465

■ 52.4102, 0.3455,
0.4001

■ 4.4804, 0.1976,
0.1177

■ 60.6761, 0.3512,
0.4132

■ 3.3544, 0.1818,
0.0938

■ 69.6850, 0.3560,
0.4247

■ 2.6151, 0.1689,
0.0765

■ 79.4550, 0.3602,
0.4348

■ 2.1827, 0.1603,
0.0656

■ 90.0032, 0.3637,
0.4436

Harmonies

Analogous

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



21.5418, 0.2862, 0.3019



21.5418, 0.2990, 0.3010



21.5418, 0.3158, 0.3071

Triad

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



21.5418, 0.2990, 0.3010



21.5418, 0.3460, 0.3468



21.5418, 0.2934, 0.3395

Complementary

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



21.5418, 0.2990, 0.3010



26.3459, 0.3256, 0.3561

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.



21.5418, 0.3090, 0.3525



21.5418, 0.2990, 0.3010



21.5418, 0.3396, 0.3563

Square

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



21.5418, 0.2990, 0.3010



21.5418, 0.3433, 0.3330



21.5418, 0.3259, 0.3586



21.5418, 0.2831, 0.3238

Rectangle

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



21.5418, 0.2990, 0.3010



21.5418, 0.3270, 0.3143



21.5418, 0.3259, 0.3586



21.5418, 0.2982, 0.3443

Sweetspot

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



21.5427, 0.2990, 0.3010



44.9204, 0.3092, 0.3218



24.8769, 0.2959, 0.3239



9.8846, 0.3083, 0.3199



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.5427, 0.2990, 0.3010



35.6206, 0.2950, 0.2929



22.1882, 0.3081, 0.3018



5.3008, 0.3017, 0.3065



1.9657, 0.1606, 0.0658



0.0261, 0.1949, 0.0847

Inverse Universe

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



22.5374, 0.3173, 0.3072



37.8044, 0.3186, 0.3012



25.6877, 0.3169, 0.3568



5.4939, 0.3164, 0.3113



6.2830, 0.3735, 0.1831



0.0630, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 21.5418, 0.2990, 0.3010 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 21.5418, 0.2990, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

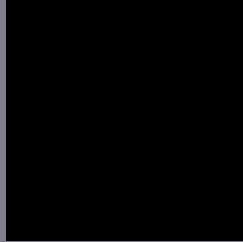
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

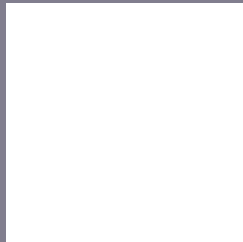
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5418, 0.2990, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 21.5418, 0.2990, 0.3010.



This preview shows how white text looks on a background with the Yxy color 21.5418, 0.2990, 0.3010.

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

21.5418, 0.2990, 0.3010

Protanopia

21.5975, 0.2946, 0.3008

Deuteranopia

21.4366, 0.3048, 0.2980



Tritanopia

21.5741, 0.3031, 0.3113

Trichromacy



Original Color

21.5418, 0.2990, 0.3010

Protanomaly

21.6739, 0.2957, 0.3009

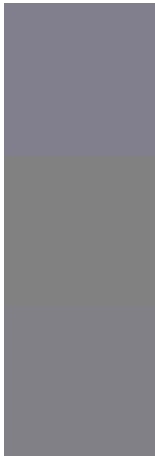
Deuteranomaly

21.5258, 0.3024, 0.2996

Tritanomaly

21.6320, 0.3010, 0.3078

Monochromacy



Original Color

21.5418, 0.2990, 0.3010

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.8267, 0.3074, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5418, 0.2990, 0.3010 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(129, 126, 142)` looks like.

```
.text, #text, p{  
    color:rgb(129, 126, 142)  
}
```

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(129, 126, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 126, 142) }
```

Border

The CSS property to change the border of an element to Yxy 21.5418, 0.2990, 0.3010 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(129, 126, 142) }
```

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

```
.border{ border-color:rgb(129, 126, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 126, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 126, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 126, 142);  
box-shadow:4px 4px 4px 4px rgb(129, 126,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5418, 0.2990, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 126, 142) }
```

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

```
.background{ background-color: rgb(129,  
126, 142) }
```

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