

Converting Colors

$Y_{xy}(23.5321, 0.2917, 0.3155)$

Have a look what the booklet for
Yxy(23.5321, 0.2917, 0.3155)
contains.

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Color

Yxy(23.5221, 0.2917, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	7B878F
RGB	123, 135, 143
RGB Percent	48%, 53%, 56%
CMY	0.5177, 0.4706, 0.4391
CMYK	0.14, 0.06, 0.00, 0.44
HSL	204°, 8%, 52%
HSV	204°, 14%, 56%
XYZ	21.7891, 23.5221, 29.3858
YIQ	132.3240, -9.7200, -0.0560

Conversions

Conversions Part 2

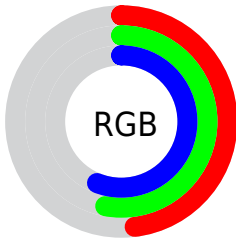
Format	Color
R _Y B	123, 131, 143
Decimal	8095631
CIE _{Lab}	55.61, -2.64, -5.79
CIE _{LCh}	56, 6.361, 245.518
Y _{xy}	23.5221, 0.2917, 0.3149
Android (android.graphics.Color)	4286285711 (0xFF7B878F)
Y _{UV}	132.3240, 5.2633, -8.1771
Hunter-Lab	48.4996, -4.6806, -1.9740

Details

The Yxy color **23.5221, 0.2917, 0.3149** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.5015, 0.3357, 0.3427**, and the grayscale version is **23.1804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2278, 0.2964, 0.3174**, and **8.7432, 0.2833, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **20.9912, 0.2764, 0.3036**, and if you desaturate by 10%, it is **26.2948, 0.3068, 0.3252**.

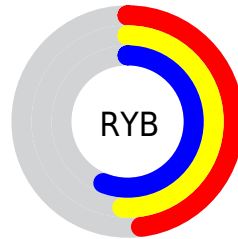
Distribution



Red (48%)

Green (53%)

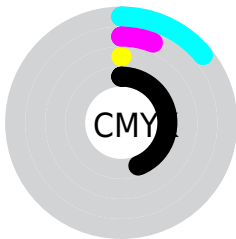
Blue (56%)



Red (48%)

Yellow (51%)

Blue (56%)

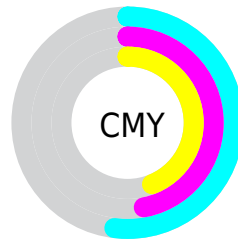


Cyan (14%)

Magenta (6%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (47%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5221, 0.2917, 0.3149 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 23.5221, 0.2917, 0.3149 by changing the saturation by 10% instead.

■ 23.5221, 0.2917,
0.3149

■ 23.5221, 0.2917,
0.3149

270.3954, 0.3033,
0.3228

■ 14.9795, 0.2883,
0.3126

■ 49.2492, 0.2962,
0.3180

■ 8.8050, 0.2837,
0.3094

■ 67.2025, 0.2979,
0.3191

■ 4.6142, 0.2769,
0.3046

■ 89.0615, 0.2992,
0.3200

■ 2.0227, 0.2660,
0.2967

115.2105, 0.3003,
0.3207

■ 0.6206, 0.2355,
0.2781

146.0340, 0.3012,
0.3214

■ 0.0000, 0.0000,
0.0000

181.9164, 0.3020,

0.3219

223.2421, 0.3027,
0.3224

■ 23.5221, 0.2917,
0.3149

■ 23.5221, 0.2917,
0.3149

■ 20.9912, 0.2764,
0.3036

■ 26.2948, 0.3068,
0.3252

■ 18.6911, 0.2613,
0.2912

■ 29.3139, 0.3214,
0.3344

■ 16.6143, 0.2465,
0.2780

■ 32.5876, 0.3356,
0.3426

■ 14.7518, 0.2325,
0.2639

■ 36.1227, 0.3491,
0.3500

■ 13.0935, 0.2197,
0.2492

■ 39.9257, 0.3619,
0.3564

■ 11.6286, 0.2084,
0.2341

■ 44.0031, 0.3739,
0.3621

■ 10.3447, 0.1990,
0.2190

■ 48.3607, 0.3852,
0.3670

■ 9.2269, 0.1916,
0.2041

■ 53.0046, 0.3958,
0.3713

■ 8.6129, 0.1876,
0.1953

■ 57.9404, 0.4056,
0.3751

Harmonies

Analogous

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



23.5221, 0.2921, 0.3233



23.5221, 0.2917, 0.3149



23.5221, 0.2968, 0.3104

Triad

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



23.5221, 0.2917, 0.3149



23.5221, 0.3277, 0.3244



23.5221, 0.3189, 0.3479

Complementary

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



23.5221, 0.2917, 0.3149



23.5015, 0.3357, 0.3427

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.



23.5221, 0.3287, 0.3479



23.5221, 0.2917, 0.3149



23.5221, 0.3338, 0.3341

Square

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



23.5221, 0.2917, 0.3149



23.5221, 0.3175, 0.3160



23.5221, 0.3342, 0.3427



23.5221, 0.3077, 0.3426

Rectangle

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



23.5221, 0.2917, 0.3149



23.5221, 0.3027, 0.3102



23.5221, 0.3342, 0.3427



23.5221, 0.3225, 0.3485

Sweetspot

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



23.5231, 0.2917, 0.3149



47.0383, 0.3067, 0.3251



25.4898, 0.3037, 0.3508



10.7046, 0.3056, 0.3244



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.5231, 0.2917, 0.3149



40.5492, 0.2866, 0.3112



20.9410, 0.2912, 0.2975



5.7593, 0.2990, 0.3200



7.6549, 0.1878, 0.1960



0.1164, 0.2059, 0.2614

Inverse Universe

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



21.7517, 0.3234, 0.3087



36.7724, 0.3263, 0.3037



26.2269, 0.3335, 0.3587



5.4750, 0.3194, 0.3159



5.7591, 0.4498, 0.2252



0.0594, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 23.5221, 0.2917, 0.3149 looks on a white background.

Color Contrast Check

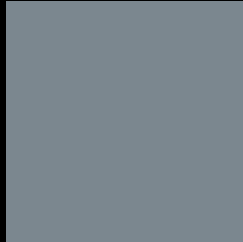
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5221, 0.2917, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

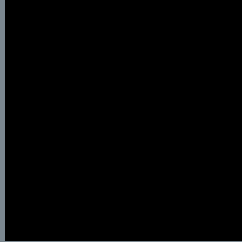
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

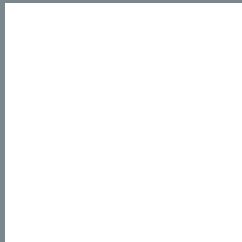
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5221, 0.2917, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 23.5221, 0.2917, 0.3149.



This preview shows how white text looks on a background with the Yxy color 23.5221, 0.2917, 0.3149.

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

23.5221, 0.2917, 0.3149

Protanopia

23.4122, 0.3045, 0.3136

Deuteranopia

23.3769, 0.3104, 0.3040



Tritanopia

23.5832, 0.2898, 0.3115

Trichromacy



Original Color

23.5221, 0.2917, 0.3149

Protanomaly

23.3952, 0.2990, 0.3134

Deuteranomaly

23.3145, 0.3025, 0.3069

Tritanomaly

23.5525, 0.2908, 0.3132

Monochromacy



Original Color

23.5221, 0.2917, 0.3149

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.2198, 0.3051, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5221, 0.2917, 0.3149 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(123, 135, 143)` looks like.

```
.text, #text, p{  
    color:rgb(123, 135, 143)  
}
```

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(123, 135, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 135, 143) }
```

Border

The CSS property to change the border of an element to Yxy 23.5221, 0.2917, 0.3149 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(123, 135, 143) }
```

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

```
.border{ border-color:rgb(123, 135, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 135, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 135, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 135, 143);  
box-shadow:4px 4px 4px 4px rgb(123, 135,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5221, 0.2917, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 135, 143) }
```

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

```
.background{ background-color: rgb(123,  
135, 143) }
```

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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