

Converting Colors

$Y_{xy}(23.1801, 0.3229, 0.3152)$

Have a look what the booklet for
Yxy(23.1801, 0.3229, 0.3152)
contains.

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Color

Yxy(23.1452, 0.3227, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	908088
RGB	144, 128, 136
RGB Percent	56%, 50%, 53%
CMY	0.4355, 0.4980, 0.4667
CMYK	0.00, 0.11, 0.06, 0.44
HSL	330°, 7%, 53%
HSV	330°, 11%, 56%
XYZ	23.6584, 23.1452, 26.5103
YIQ	133.6960, 6.9680, 5.8800

Conversions

Conversions Part 2

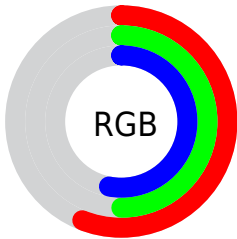
Format	Color
R_{YB}	144, 128, 136
Decimal	9470088
CIE Lab	55.22, 7.53, -2.09
CIE LCh	55, 7.818, 344.491
Yxy	23.1452, 0.3227, 0.3157
Android (android.graphics.Color)	4287660168 (0xFF908088)
YUV	133.6960, 1.1359, 9.0366
Hunter-Lab	48.1095, 3.5879, 1.0054

Details

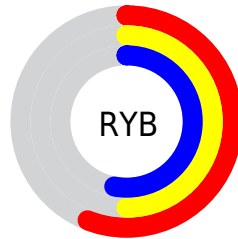
The Yxy color $23.1452, 0.3227, 0.3157$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $26.3008, 0.3038, 0.3427$, and the grayscale version is $23.7154, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7276, 0.3209, 0.3191$, and $8.6435, 0.3279, 0.3117$ is the 20% darker color. If you saturate the color by 10%, you get $19.4550, 0.3336, 0.3030$, and if you desaturate by 10%, it is $27.3840, 0.3136, 0.3278$.

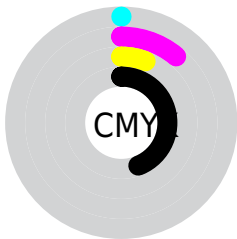
Distribution



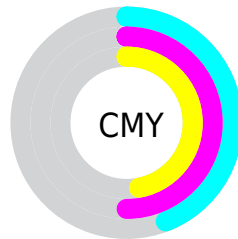
- Red (56%)
- Green (50%)
- Blue (53%)



- Red (56%)
- Yellow (50%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (6%)
- Black (44%)




- Cyan (44%)
- Magenta (50%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1452, 0.3227, 0.3157 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 23.1452, 0.3227, 0.3157 by changing the saturation by 10% instead.


 23.1452, 0.3227,
0.3157


 23.1452, 0.3227,
0.3157


268.4699, 0.3172,
0.3231


 14.7008, 0.3243,
0.3136


 48.6316, 0.3205,
0.3186

 8.6096, 0.3265,
0.3106


 66.4424, 0.3198,
0.3196

 4.4875, 0.3298,
0.3063

 88.1441, 0.3191,
0.3204

 1.9498, 0.3351,
0.2994

114.1211, 0.3186,
0.3211

 0.5781, 0.3514,
0.2770

144.7578, 0.3182,
0.3217

 0.0000, 0.0000,
0.0000

180.4385, 0.3178,

0.3222

221.5478, 0.3175,
0.3227

■ 23.1452, 0.3227,
0.3157

■ 23.1452, 0.3227,
0.3157

■ 19.4550, 0.3336,
0.3030

■ 27.3840, 0.3136,
0.3278

■ 16.2878, 0.3466,
0.2900

■ 32.1896, 0.3060,
0.3391

■ 13.6205, 0.3620,
0.2771

■ 37.5831, 0.2998,
0.3495

■ 11.4268, 0.3798,
0.2650

■ 43.5837, 0.2945,
0.3592

■ 9.6784, 0.4001,
0.2546

■ 50.2096, 0.2902,
0.3681

■ 8.3437, 0.4224,
0.2469

■ 57.4784, 0.2866,
0.3762

■ 7.3869, 0.4462,
0.2431

■ 65.4068, 0.2836,
0.3837

■ 6.7660, 0.4702,
0.2442

■ 74.0110, 0.2811,
0.3905

■ 6.3935, 0.4916,
0.2482

■ 81.6495, 0.2788,
0.3940

Harmonies

Analogous

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



23.1452, 0.3087, 0.3080



23.1452, 0.3227, 0.3157



23.1452, 0.3341, 0.3268

Triad

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



23.1452, 0.3227, 0.3157



23.1452, 0.3292, 0.3531



23.1452, 0.2864, 0.3184

Complementary

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



23.1452, 0.3227, 0.3157



26.3008, 0.3038, 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.



23.1452, 0.2917, 0.3307



23.1452, 0.3227, 0.3157



23.1452, 0.3162, 0.3512

Square

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



23.1452, 0.3227, 0.3157



23.1452, 0.3379, 0.3484



23.1452, 0.3025, 0.3429



23.1452, 0.2880, 0.3093

Rectangle

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



23.1452, 0.3227, 0.3157



23.1452, 0.3387, 0.3348



23.1452, 0.3025, 0.3429



23.1452, 0.2874, 0.3223

Sweetspot

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



23.1462, 0.3227, 0.3157



46.7631, 0.3153, 0.3254



22.6668, 0.3045, 0.3020



10.5890, 0.3159, 0.3245



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.



23.1462, 0.3227, 0.3157



39.3394, 0.3249, 0.3130



22.9349, 0.3314, 0.3286



5.4663, 0.3208, 0.3180



5.5761, 0.4904, 0.2475



0.0578, 0.4034, 0.1996

Inverse Universe

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



23.1462, 0.3227, 0.3157



39.3394, 0.3249, 0.3130



26.5279, 0.2965, 0.3294



5.4663, 0.3208, 0.3180



5.5761, 0.4904, 0.2475



0.0578, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 23.1452, 0.3227, 0.3157 looks on a white background.

Color Contrast Check

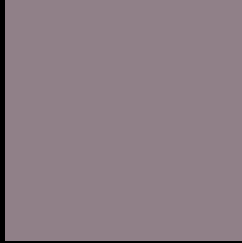
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1452, 0.3227, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

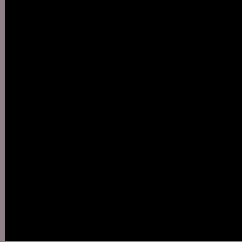
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1452, 0.3227, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 23.1452, 0.3227, 0.3157.



This preview shows how white text looks on a background with the Yxy color 23.1452, 0.3227, 0.3157.

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

23.1452, 0.3227, 0.3157

Protanopia

23.3241, 0.3076, 0.3187

Deuteranopia

23.0556, 0.3216, 0.3156



Tritanopia

23.2026, 0.3205, 0.3124

Trichromacy



Original Color

23.1452, 0.3227, 0.3157

Protanomaly

23.3571, 0.3132, 0.3188

Deuteranomaly

23.0556, 0.3216, 0.3156

Tritanomaly

23.1738, 0.3216, 0.3140

Monochromacy



Original Color

23.1452, 0.3227, 0.3157

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6551, 0.3164, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1452, 0.3227, 0.3157 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(144, 128, 136)` looks like.

```
.text, #text, p{  
    color:rgb(144, 128, 136)  
}
```

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(144, 128, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 128, 136) }
```

Border

The CSS property to change the border of an element to Yxy 23.1452, 0.3227, 0.3157 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(144, 128, 136) }
```

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

```
.border{ border-color:rgb(144, 128, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 128, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 128, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 128, 136);  
box-shadow:4px 4px 4px 4px rgb(144, 128,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1452, 0.3227, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 128, 136) }
```

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

```
.background{ background-color: rgb(144,  
128, 136) }
```

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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