

Converting Colors

$Y_{xy}(18.6832, 0.3207, 0.2972)$

Have a look what the booklet for
Yxy(18.6832, 0.3207, 0.2972)
contains.

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Color

Yxy(18.6832, 0.3207, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	887183
RGB	136, 113, 131
RGB Percent	53%, 44%, 51%
CMY	0.4665, 0.5569, 0.4862
CMYK	0.00, 0.17, 0.04, 0.47
HSL	313°, 9%, 49%
HSV	313°, 17%, 53%
XYZ	20.1605, 18.6832, 24.0204
YIQ	121.9290, 7.9300, 10.4740

Conversions

Conversions Part 2

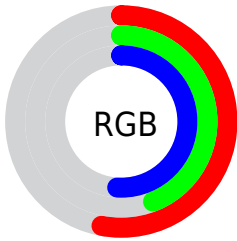
Format	Color
R_{YB}	136, 113, 131
Decimal	8941955
CIE _{Lab}	50.31, 12.35, -6.51
CIE _{LCh}	50, 13.962, 332.199
Yxy	18.6832, 0.3207, 0.2972
Android (android.graphics.Color)	4287132035 (0xFF887183)
YUV	121.9290, 4.4720, 12.3403
Hunter-Lab	43.2241, 7.6136, -2.6916

Details

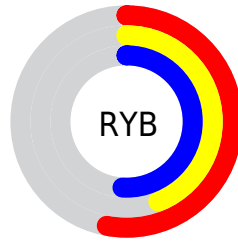
The Yxy color $18.6832, 0.3207, 0.2972$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $22.4377, 0.3056, 0.3630$, and the grayscale version is $19.4226, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.1898, 0.3185, 0.3044$, and $6.3682, 0.3230, 0.2837$ is the 20% darker color. If you saturate the color by 10%, you get $15.7938, 0.3264, 0.2778$, and if you desaturate by 10%, it is $22.0316, 0.3157, 0.3162$.

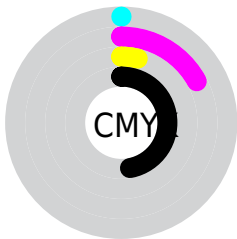
Distribution



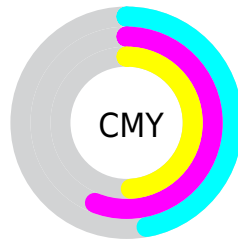
- Red (53%)
- Green (44%)
- Blue (51%)



- Red (53%)
- Yellow (44%)
- Blue (51%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (47%)





- Cyan (47%)
- Magenta (56%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6832, 0.3207, 0.2972 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 18.6832, 0.3207, 0.2972 by changing the saturation by 10% instead.


 18.6832, 0.3207,
0.2972


 18.6832, 0.3207,
0.2972


244.6942, 0.3163,
0.3151


 11.4416, 0.3220,
0.2919


 41.1981, 0.3190,
0.3043


 6.3647, 0.3237,
0.2845


 57.2402, 0.3184,
0.3068

 3.0681, 0.3262,
0.2733

 76.9845, 0.3179,
0.3088

 1.1674, 0.3303,
0.2548

 100.8155, 0.3175,
0.3105

 0.0348, 0.3879,
0.0404

129.1176, 0.3171,
0.3119

 0.0000, 0.0000,
0.0000

162.2752, 0.3168,

0.3131

200.6726, 0.3165,
0.3142

■ 18.6832, 0.3207,
0.2972

■ 18.6832, 0.3207,
0.2972

■ 15.7938, 0.3264,
0.2778

■ 22.0316, 0.3157,
0.3162

■ 13.3406, 0.3328,
0.2585

■ 25.8555, 0.3115,
0.3345

■ 11.3029, 0.3399,
0.2400

■ 30.1734, 0.3078,
0.3517

■ 9.6570, 0.3476,
0.2232

■ 35.0025, 0.3047,
0.3678

■ 8.3769, 0.3558,
0.2090

■ 40.3588, 0.3021,
0.3827

■ 7.4336, 0.3642,
0.1983

■ 46.2578, 0.2999,
0.3964

■ 6.7935, 0.3726,
0.1917

■ 52.7141, 0.2981,
0.4090

■ 6.3951, 0.3807,
0.1891

■ 59.7422, 0.2965,
0.4205

■ 6.2859, 0.3833,
0.1885

■ 67.3556, 0.2952,
0.4310

Harmonies

Analogous

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



18.6832, 0.2942, 0.2866



18.6832, 0.3207, 0.2972



18.6832, 0.3459, 0.3154

Triad

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



18.6832, 0.3207, 0.2972



18.6832, 0.3524, 0.3729



18.6832, 0.2656, 0.3172

Complementary

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



18.6832, 0.3207, 0.2972



22.4377, 0.3056, 0.3630

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.



18.6832, 0.2799, 0.3422



18.6832, 0.3207, 0.2972



18.6832, 0.3297, 0.3755

Square

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



18.6832, 0.3207, 0.2972



18.6832, 0.3645, 0.3585



18.6832, 0.3032, 0.3642



18.6832, 0.2633, 0.2969

Rectangle

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



18.6832, 0.3207, 0.2972



18.6832, 0.3582, 0.3300



18.6832, 0.3032, 0.3642



18.6832, 0.2691, 0.3253

Sweetspot

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



18.6840, 0.3207, 0.2972



39.9748, 0.3149, 0.3196



17.4364, 0.2922, 0.2859



9.1665, 0.3152, 0.3185



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.



18.6840, 0.3207, 0.2972



31.0407, 0.3226, 0.2904



18.3894, 0.3352, 0.3173



5.1106, 0.3168, 0.3121



5.9470, 0.3831, 0.1884



0.0416, 0.3492, 0.1697

Inverse Universe

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



18.6840, 0.3207, 0.2972



31.0407, 0.3226, 0.2904



22.7279, 0.2943, 0.3410



5.1106, 0.3168, 0.3121



5.9470, 0.3831, 0.1884



0.0416, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 18.6832, 0.3207, 0.2972 looks on a white background.

Color Contrast Check

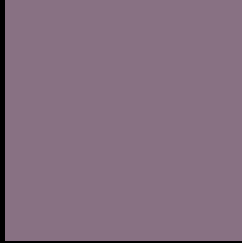
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6832, 0.3207, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

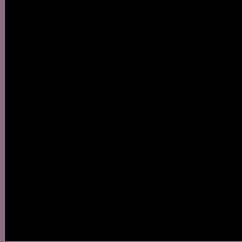
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6832, 0.3207, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 18.6832, 0.3207, 0.2972.



This preview shows how white text looks on a background with the Yxy color 18.6832, 0.3207, 0.2972.

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

18.6832, 0.3207, 0.2972

Protanopia

18.7945, 0.2936, 0.2992

Deuteranopia

18.8463, 0.3101, 0.3053



Tritanopia

18.6156, 0.3291, 0.3129

Trichromacy



Original Color

18.6832, 0.3207, 0.2972

Protanomaly

18.8038, 0.3030, 0.2980

Deuteranomaly

18.8483, 0.3139, 0.3037

Tritanomaly

18.6919, 0.3254, 0.3076

Monochromacy



Original Color

18.6832, 0.3207, 0.2972

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1863, 0.3157, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6832, 0.3207, 0.2972 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(136, 113, 131)` looks like.

```
.text, #text, p{  
    color:rgb(136, 113, 131)  
}
```

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(136, 113, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 113, 131) }
```

Border

The CSS property to change the border of an element to Yxy 18.6832, 0.3207, 0.2972 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(136, 113, 131) }
```

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

```
.border{ border-color:rgb(136, 113, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 113, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 113, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 113, 131);  
box-shadow:4px 4px 4px 4px rgb(136, 113,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6832, 0.3207, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 113, 131) }
```

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

```
.background{ background-color: rgb(136,  
113, 131) }
```

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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