

Converting Colors

$Y_{xy}(24.2171, 0.3764, 0.3160)$

Have a look what the booklet for
Yxy(24.2171, 0.3764, 0.3160)
contains.

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Color

Yxy(24.2171, 0.3764, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	B27780
RGB	178, 119, 128
RGB Percent	70%, 47%, 50%
CMY	0.3021, 0.5332, 0.4981
CMYK	0.00, 0.33, 0.28, 0.30
HSL	351°, 28%, 58%
HSV	351°, 33%, 70%
XYZ	28.8459, 24.2171, 23.5734
YIQ	137.6670, 32.2750, 15.3070

Conversions

Conversions Part 2

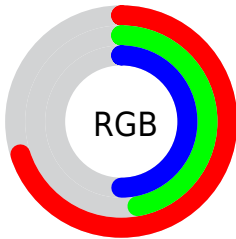
Format	Color
R_{YB}	178, 119, 128
Decimal	11696000
CIE _{Lab}	56.30, 24.35, 4.57
CIE _{LCh}	56, 24.778, 10.629
Yxy	24.2171, 0.3764, 0.3160
Android (android.graphics.Color)	4289886080 (0xFFB27780)
YUV	137.6670, -4.7658, 35.3720
Hunter-Lab	49.2109, 18.5123, 6.0461

Details

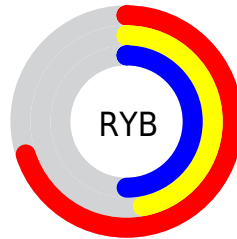
The Yxy color $24.2171, 0.3764, 0.3160$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $38.6129, 0.2723, 0.3427$, and the grayscale version is $25.2919, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.5034, 0.3623, 0.3190$, and $9.2299, 0.4012, 0.3108$ is the 20% darker color. If you saturate the color by 10%, you get $20.0023, 0.4057, 0.3121$, and if you desaturate by 10%, it is $29.2864, 0.3523, 0.3201$.

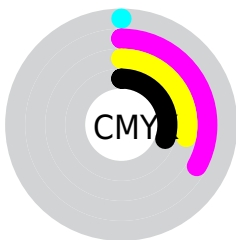
Distribution



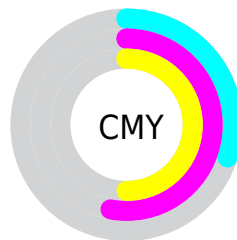
- Red (70%)
- Green (47%)
- Blue (50%)



- Red (70%)
- Yellow (47%)
- Blue (50%)



- Cyan (0%)
- Magenta (33%)
- Yellow (28%)
- Black (30%)





- Cyan (30%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2171, 0.3764, 0.3160 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 24.2171, 0.3764, 0.3160 by changing the saturation by 10% instead.


 24.2171, 0.3764,
0.3160


 24.2171, 0.3764,
0.3160


273.9162, 0.3409,
0.3237


 15.4947, 0.3867,
0.3136


 50.3842, 0.3625,
0.3191

 9.1673, 0.4010,
0.3101


 68.5978, 0.3576,
0.3202

 4.8505, 0.4219,
0.3048

 90.7439, 0.3536,
0.3210

 2.1598, 0.4556,
0.2955

117.2070, 0.3502,
0.3218

 0.6979, 0.5388,
0.2827

148.3713, 0.3473,
0.3224

 0.0000, 1.0000,
0.0000

184.6214, 0.3449,

 0.0000, 0.0000,

0.3229

0.0000

226.3416, 0.3428,
0.3233

■ 24.2171, 0.3764,
0.3160

■ 24.2171, 0.3764,
0.3160

■ 20.0023, 0.4057,
0.3121

■ 29.2864, 0.3523,
0.3201

■ 16.5917, 0.4406,
0.3088

■ 35.2502, 0.3328,
0.3241

■ 13.9348, 0.4805,
0.3067


■ 42.1500, 0.3170,
0.3279

■ 11.9742, 0.5232,
0.3066


■ 50.0237, 0.3042,
0.3314

■ 10.6440, 0.5648,
0.3091


■ 58.9071, 0.2939,
0.3346


 9.8658, 0.5997,
0.3143

 68.8343, 0.2854,
0.3375

 9.5398, 0.6184,
0.3180

 79.8377, 0.2785,
0.3401

 87.8010, 0.2721,
0.3357

 88.2003, 0.2691,
0.3289

Harmonies

Analogous

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



24.2171, 0.3374, 0.2858



24.2171, 0.3764, 0.3160



24.2171, 0.3974, 0.3507

Triad

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



24.2171, 0.3764, 0.3160



24.2171, 0.3271, 0.4037



24.2171, 0.2371, 0.2702

Complementary

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



24.2171, 0.3764, 0.3160



38.6129, 0.2723, 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.



24.2171, 0.2349, 0.2979



24.2171, 0.3764, 0.3160



24.2171, 0.2850, 0.3788

Square

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



24.2171, 0.3764, 0.3160



24.2171, 0.3672, 0.4038



24.2171, 0.2518, 0.3381



24.2171, 0.2577, 0.2596

Rectangle

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



24.2171, 0.3764, 0.3160



24.2171, 0.3976, 0.3729



24.2171, 0.2518, 0.3381



24.2171, 0.2342, 0.2776

Sweetspot

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



24.2183, 0.3764, 0.3160



67.4615, 0.3278, 0.3252



24.7524, 0.3056, 0.2455



14.5753, 0.3301, 0.3247



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



24.2183, 0.3764, 0.3160



38.0077, 0.3981, 0.3130



29.1627, 0.3788, 0.3579



8.5257, 0.3264, 0.3256



6.8353, 0.6162, 0.3168



0.2216, 0.5519, 0.2814

Inverse Universe

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



24.2183, 0.3764, 0.3160



38.0077, 0.3981, 0.3130



31.6979, 0.2625, 0.2980



8.5257, 0.3264, 0.3256



6.8353, 0.6162, 0.3168



0.2216, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 24.2171, 0.3764, 0.3160 looks on a white background.

Color Contrast Check

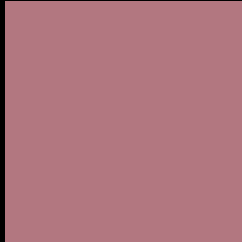
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2171, 0.3764, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

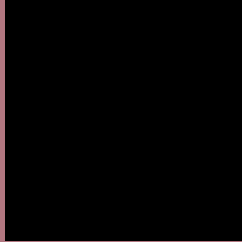
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2171, 0.3764, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 24.2171, 0.3764, 0.3160.



This preview shows how white text looks on a background with the Yxy color 24.2171, 0.3764, 0.3160.

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

24.2171, 0.3764, 0.3160

Protanopia

24.4525, 0.3129, 0.3256

Deuteranopia

24.4144, 0.3430, 0.3373



Tritanopia

24.2171, 0.3764, 0.3160

Trichromacy



Original Color

24.2171, 0.3764, 0.3160

Protanomaly

24.0971, 0.3343, 0.3209

Deuteranomaly

24.2881, 0.3539, 0.3291

Tritanomaly

24.2171, 0.3764, 0.3160

Monochromacy



Original Color

24.2171, 0.3764, 0.3160

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.7261, 0.3351, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2171, 0.3764, 0.3160 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(178, 119, 128)` looks like.

```
.text, #text, p{  
    color:rgb(178, 119, 128)  
}
```

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(178, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 119, 128) }
```

Border

The CSS property to change the border of an element to Yxy 24.2171, 0.3764, 0.3160 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(178, 119, 128) }
```

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

```
.border{ border-color:rgb(178, 119, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 119, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(178, 119,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2171, 0.3764, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 119, 128) }
```

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

```
.background{ background-color: rgb(178,  
119, 128) }
```

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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