

Converting Colors

$Y_{xy}(22.1470, 0.3204, 0.3608)$

Have a look what the booklet for
Yxy(22.1470, 0.3204, 0.3608)
contains.

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Color

Yxy(22.2238, 0.3203, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	7B8573
RGB	123, 133, 115
RGB Percent	48%, 52%, 45%
CMY	0.5177, 0.4784, 0.5491
CMYK	0.08, 0.00, 0.14, 0.48
HSL	93°, 7%, 49%
HSV	93°, 14%, 52%
XYZ	19.6475, 22.2238, 19.4696
YIQ	127.9580, -0.1820, -7.7180

Conversions

Conversions Part 2

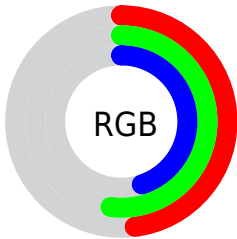
Format	Color
R_{YB}	115, 133, 125
Decimal	8095091
CIE Lab	54.26, -7.22, 8.47
CIE LCh	54, 11.131, 130.461
Yxy	22.2238, 0.3203, 0.3623
Android (android.graphics.Color)	4286285171 (0xFF7B8573)
YUV	127.9580, -6.3883, -4.3482
Hunter-Lab	47.1421, -8.1050, 8.5128

Details

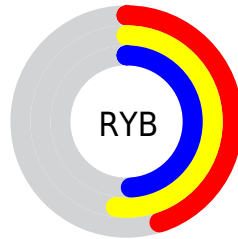
The Yxy color **22.2238, 0.3203, 0.3623** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.3137, 0.3042, 0.2960**, and the grayscale version is **21.5927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1379, 0.3191, 0.3544**, and **8.2017, 0.3224, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **21.4149, 0.3257, 0.3893**, and if you desaturate by 10%, it is **23.1201, 0.3147, 0.3373**.

Distribution



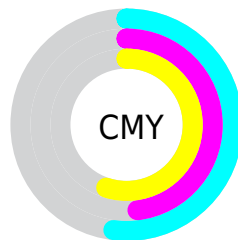
- Red (48%)
- Green (52%)
- Blue (45%)



- Red (45%)
- Yellow (52%)
- Blue (49%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2238, 0.3203, 0.3623 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 22.2238, 0.3203, 0.3623 by changing the saturation by 10% instead.

■ 22.2238, 0.3203,
0.3623

■ 22.2238, 0.3203,
0.3623

263.7128, 0.3162,
0.3433

■ 14.0214, 0.3214,
0.3680

■ 47.1156, 0.3187,
0.3547

■ 8.1356, 0.3230,
0.3762

■ 64.5739, 0.3182,
0.3521

■ 4.1818, 0.3251,
0.3886

■ 85.8862, 0.3177,
0.3500

■ 1.7758, 0.3282,
0.4096

111.4370, 0.3173,
0.3482

■ 0.4720, 0.3658,
0.6342

141.6106, 0.3170,
0.3467

■ 0.0000, 0.0000,
0.0000

176.7916, 0.3167,

0.3454

217.3641, 0.3164,
0.3443

■ 22.2238, 0.3203,
0.3623

■ 22.2238, 0.3203,
0.3623

■ 21.4149, 0.3257,
0.3893

■ 23.1201, 0.3147,
0.3373

■ 20.6878, 0.3307,
0.4179

■ 24.1035, 0.3091,
0.3146

■ 20.0404, 0.3349,
0.4474

■ 25.1776, 0.3037,
0.2940

■ 19.4696, 0.3381,
0.4768

■ 26.3447, 0.2985,
0.2756

■ 18.9720, 0.3398,
0.5049

■ 27.6073, 0.2935,
0.2591

■ 18.5438, 0.3397,
0.5301

■ 28.9675, 0.2889,
0.2445

■ 18.1809, 0.3377,
0.5510

■ 30.4274, 0.2846,
0.2314

■ 17.8784, 0.3338,
0.5666

■ 31.9893, 0.2806,
0.2198

■ 17.7070, 0.3311,
0.5753

■ 33.6550, 0.2769,
0.2095

Harmonies

Analogous

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



22.2238, 0.3386, 0.3635



22.2238, 0.3203, 0.3623



22.2238, 0.3004, 0.3513

Triad

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



22.2238, 0.3203, 0.3623



22.2238, 0.2765, 0.3019



22.2238, 0.3419, 0.3234

Complementary

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



22.2238, 0.3203, 0.3623



18.3137, 0.3042, 0.2960

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.



22.2238, 0.3244, 0.3082



22.2238, 0.3203, 0.3623



22.2238, 0.2868, 0.2958

Square

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



22.2238, 0.3203, 0.3623



22.2238, 0.2755, 0.3156



22.2238, 0.3042, 0.2982



22.2238, 0.3514, 0.3404

Rectangle

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



22.2238, 0.3203, 0.3623



22.2238, 0.2889, 0.3401



22.2238, 0.3042, 0.2982



22.2238, 0.3367, 0.3179

Sweetspot

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



22.2248, 0.3203, 0.3623



41.3058, 0.3150, 0.3386



20.8668, 0.3340, 0.3470



9.2808, 0.3154, 0.3402



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



22.2248, 0.3203, 0.3623



39.3703, 0.3219, 0.3697



21.6802, 0.3102, 0.3615



5.2983, 0.3178, 0.3510



16.8682, 0.3313, 0.5752



0.0627, 0.3657, 0.5478

Inverse Universe

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



18.3137, 0.3042, 0.2960



31.0717, 0.3022, 0.2887



18.9149, 0.3153, 0.2985



4.6628, 0.3072, 0.3071



3.0055, 0.2165, 0.0966



0.0147, 0.2625, 0.1220

Previews

White Background



This preview shows how the Yxy color 22.2238, 0.3203, 0.3623 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 22.2238, 0.3203, 0.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

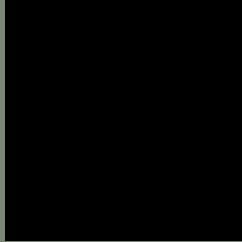
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

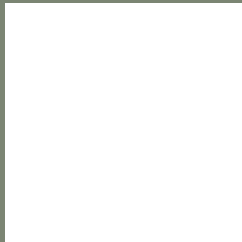
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2238, 0.3203, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 22.2238, 0.3203, 0.3623.



This preview shows how white text looks on a background with the Yxy color 22.2238, 0.3203, 0.3623.

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

22.2238, 0.3203, 0.3623

Protanopia

22.1270, 0.3390, 0.3575

Deuteranopia

22.1546, 0.3492, 0.3427



Tritanopia

22.1060, 0.2988, 0.3096

Trichromacy



Original Color

22.2238, 0.3203, 0.3623

Protanomaly

22.0055, 0.3315, 0.3579

Deuteranomaly

22.1026, 0.3383, 0.3502

Tritanomaly

22.0396, 0.3071, 0.3272

Monochromacy



Original Color

22.2238, 0.3203, 0.3623

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.8309, 0.3156, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2238, 0.3203, 0.3623 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, 133, 115)` looks like.

```
.text, #text, p{  
    color:rgb(123, 133, 115)  
}
```

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, 133, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 133, 115) }
```

Border

The CSS property to change the border of an element to Yxy 22.2238, 0.3203, 0.3623 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, 133, 115) }
```

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

```
.border{ border-color:rgb(123, 133, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 133, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 133, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 133, 115);  
box-shadow:4px 4px 4px 4px rgb(123, 133,  
115) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2238, 0.3203, 0.3623$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 133, 115) }
```

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

```
.background{ background-color: rgb(123,  
133, 115) }
```

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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