

Converting Colors

$Y_{xy}(22.7533, 0.3523, 0.3604)$

Have a look what the booklet for
Yxy(22.7533, 0.3523, 0.3604)
contains.

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Color

Yxy(22.7775, 0.3513, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	90816F
RGB	144, 129, 111
RGB Percent	56%, 51%, 44%
CMY	0.4351, 0.4942, 0.5647
CMYK	0.00, 0.10, 0.23, 0.44
HSL	33°, 13%, 50%
HSV	33°, 23%, 56%
XYZ	22.2270, 22.7775, 18.2663
YIQ	131.4330, 14.7180, -2.4180

Conversions

Conversions Part 2

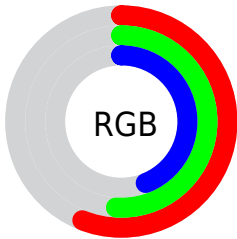
Format	Color
R_{YB}	139, 144, 111
Decimal	9470319
CIE _{Lab}	54.84, 2.69, 11.84
CIE _{LCh}	55, 12.140, 77.187
Yxy	22.7775, 0.3513, 0.3600
Android (android.graphics.Color)	4287660399 (0xFF90816F)
YUV	131.4330, -10.0735, 11.0213
Hunter-Lab	47.7258, -0.3884, 10.7157

Details

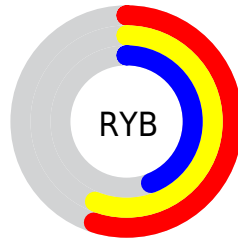
The Yxy color $22.7775, 0.3513, 0.3600$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.3332, 0.2774, 0.2959$, and the grayscale version is $22.8951, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1060, 0.3423, 0.3532$, and $8.4234, 0.3664, 0.3728$ is the 20% darker color. If you saturate the color by 10%, you get $20.8122, 0.3715, 0.3742$, and if you desaturate by 10%, it is $24.9071, 0.3332, 0.3461$.

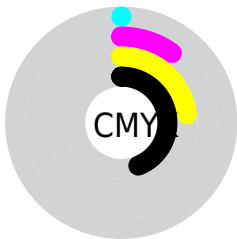
Distribution



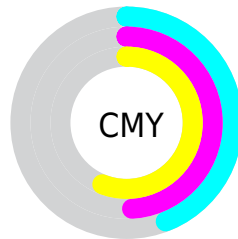
- Red (56%)
- Green (51%)
- Blue (44%)



- Red (55%)
- Yellow (56%)
- Blue (44%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (44%)




- Cyan (44%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7775, 0.3513, 0.3600 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 22.7775, 0.3513, 0.3600 by changing the saturation by 10% instead.


 22.7775, 0.3513,
0.3600


 22.7775, 0.3513,
0.3600


266.5801, 0.3297,
0.3428


 14.4293, 0.3576,
0.3649


 48.0277, 0.3428,
0.3533


 8.4199, 0.3664,
0.3717


 65.6985, 0.3398,
0.3509

 4.3648, 0.3794,
0.3814

 87.2457, 0.3373,
0.3490

 1.8796, 0.4004,
0.3967

 113.0535, 0.3353,
0.3474

 0.5361, 0.5176,
0.4824

143.5065, 0.3336,
0.3460

 0.0000, 0.0000,
0.0000

178.9890, 0.3321,

0.3448

219.8854, 0.3308,
0.3437

■ 22.7775, 0.3513,
0.3600

■ 22.7775, 0.3513,
0.3600

■ 20.8122, 0.3715,
0.3742

■ 24.9071, 0.3332,
0.3461

■ 19.0037, 0.3937,
0.3882

■ 27.2023, 0.3171,
0.3328

■ 17.3482, 0.4175,
0.4013

■ 29.6682, 0.3029,
0.3202

■ 15.8406, 0.4423,
0.4125

■ 32.3088, 0.2904,
0.3086

■ 14.4755, 0.4671,
0.4206

■ 35.1278, 0.2794,
0.2979

■ 13.2467, 0.4905,
0.4246

■ 38.1289, 0.2697,
0.2880

■ 12.1474, 0.5113,
0.4237

■ 41.3156, 0.2612,
0.2789

■ 11.4385, 0.5252,
0.4212

■ 44.6914, 0.2537,
0.2706

■ 48.2596, 0.2471,
0.2631

Harmonies

Analogous

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



22.7775, 0.3554, 0.3452



22.7775, 0.3513, 0.3600



22.7775, 0.3367, 0.3670

Triad

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



22.7775, 0.3513, 0.3600



22.7775, 0.2789, 0.3296



22.7775, 0.3083, 0.2975

Complementary

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



22.7775, 0.3513, 0.3600



20.3332, 0.2774, 0.2959

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.



22.7775, 0.2884, 0.2929



22.7775, 0.3513, 0.3600



22.7775, 0.2719, 0.3105

Square

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



22.7775, 0.3513, 0.3600



22.7775, 0.2949, 0.3493



22.7775, 0.2752, 0.2974



22.7775, 0.3301, 0.3098

Rectangle

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



22.7775, 0.3513, 0.3600



22.7775, 0.3232, 0.3658



22.7775, 0.2752, 0.2974



22.7775, 0.3012, 0.2951

Sweetspot

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



22.7785, 0.3513, 0.3600



46.2076, 0.3236, 0.3383



18.8215, 0.3373, 0.3025



10.5499, 0.3244, 0.3389



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.



22.7785, 0.3513, 0.3600



38.1602, 0.3624, 0.3680



26.9421, 0.3449, 0.3845



5.8798, 0.3269, 0.3410



10.0019, 0.5244, 0.4218



0.1397, 0.4695, 0.4655

Inverse Universe

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



20.3332, 0.2774, 0.2959



33.0017, 0.2683, 0.2865



16.8378, 0.2765, 0.2673



5.6345, 0.2990, 0.3167



5.1547, 0.1744, 0.1477



0.0924, 0.1967, 0.2280

Previews

White Background



This preview shows how the Yxy color 22.7775, 0.3513, 0.3600 looks on a white background.

Color Contrast Check

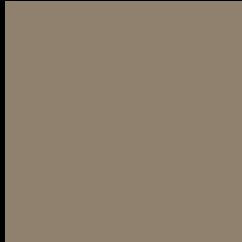
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7775, 0.3513, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

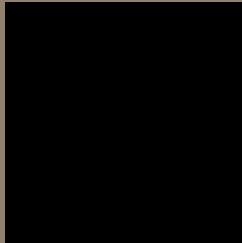
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7775, 0.3513, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 22.7775, 0.3513, 0.3600.



This preview shows how white text looks on a background with the Yxy color 22.7775, 0.3513, 0.3600.

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

22.7775, 0.3513, 0.3600

Protanopia

22.8057, 0.3420, 0.3624

Deuteranopia

22.6709, 0.3600, 0.3526



Tritanopia

22.8740, 0.3278, 0.3141

Trichromacy



Original Color

22.7775, 0.3513, 0.3600

Protanomaly

22.7106, 0.3448, 0.3605

Deuteranomaly

22.6445, 0.3558, 0.3545

Tritanomaly

22.7961, 0.3368, 0.3308

Monochromacy



Original Color

22.7775, 0.3513, 0.3600

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6547, 0.3263, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7775, 0.3513, 0.3600 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, 129, 111)` looks like.

```
.text, #text, p{  
    color:rgb(144, 129, 111)  
}
```

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, 129, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 129, 111) }
```

Border

The CSS property to change the border of an element to Yxy 22.7775, 0.3513, 0.3600 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, 129, 111) }
```

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

```
.border{ border-color:rgb(144, 129, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 129, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 129, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 129, 111);  
box-shadow:4px 4px 4px 4px rgb(144, 129,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7775, 0.3513, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 129, 111) }
```

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

```
.background{ background-color: rgb(144,  
129, 111) }
```

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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