

Converting Colors

$Y_{xy}(23.1767, 0.3219, 0.3522)$

Have a look what the booklet for
Yxy(23.1767, 0.3219, 0.3522)
contains.

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Color

Yxy(23.1765, 0.3219, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	828679
RGB	130, 134, 121
RGB Percent	51%, 53%, 47%
CMY	0.4902, 0.4745, 0.5255
CMYK	0.03, 0.00, 0.10, 0.47
HSL	78°, 5%, 50%
HSV	78°, 10%, 53%
XYZ	21.1826, 23.1765, 21.4458
YIQ	131.3220, 1.7890, -4.8910

Conversions

Conversions Part 2

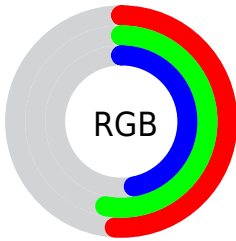
Format	Color
R_{YB}	121, 134, 125
Decimal	8554105
CIE Lab	55.25, -3.98, 6.49
CIE LCh	55, 7.611, 121.555
Yxy	23.1765, 0.3219, 0.3522
Android (android.graphics.Color)	4286744185 (0xFF828679)
YUV	131.3220, -5.0887, -1.1594
Hunter-Lab	48.1420, -5.7079, 7.2874

Details

The Yxy color **23.1765, 0.3219, 0.3522** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.7558, 0.3030, 0.3054**, and the grayscale version is **22.8369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6251, 0.3202, 0.3473**, and **8.5579, 0.3268, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **22.5519, 0.3314, 0.3775**, and if you desaturate by 10%, it is **23.8618, 0.3124, 0.3283**.

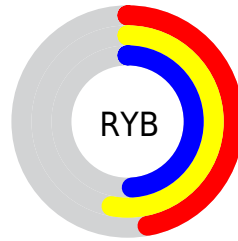
Distribution



Red (51%)

Green (53%)

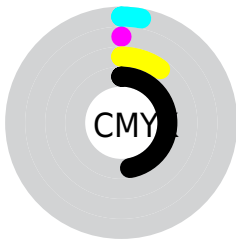
Blue (47%)



Red (47%)

Yellow (53%)

Blue (49%)

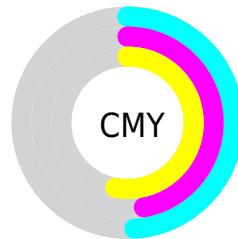


Cyan (3%)

Magenta (0%)

Yellow (10%)

Black (47%)



Cyan (49%)

Magenta (47%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1765, 0.3219, 0.3522 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 23.1765, 0.3219, 0.3522 by changing the saturation by 10% instead.

■ 23.1765, 0.3219,
0.3522

■ 23.1765, 0.3219,
0.3522

268.6302, 0.3168,
0.3391

■ 14.7239, 0.3234,
0.3561

■ 48.6830, 0.3199,
0.3470

■ 8.6258, 0.3253,
0.3615

■ 66.5056, 0.3192,
0.3452

■ 4.4979, 0.3282,
0.3696

■ 88.2204, 0.3187,
0.3438

■ 1.9558, 0.3328,
0.3832

114.2117, 0.3182,
0.3425

■ 0.5816, 0.3743,
0.4779

144.8640, 0.3178,
0.3415

■ 0.0000, 0.0000,
0.0000

180.5616, 0.3174,

0.3406

221.6888, 0.3171,
0.3398

■ 23.1765, 0.3219,
0.3522

■ 23.1765, 0.3219,
0.3522

■ 22.5519, 0.3314,
0.3775

■ 23.8618, 0.3124,
0.3283

■ 21.9830, 0.3407,
0.4039

■ 24.6068, 0.3033,
0.3061

■ 21.4687, 0.3495,
0.4305

■ 25.4142, 0.2945,
0.2857

■ 21.0065, 0.3572,
0.4567

■ 26.2858, 0.2862,
0.2672

■ 20.5941, 0.3634,
0.4813

■ 27.2232, 0.2785,
0.2503

■ 20.2287, 0.3677,
0.5033

■ 28.2281, 0.2714,
0.2351

■ 19.9072, 0.3697,
0.5216

■ 29.3019, 0.2648,
0.2215

■ 19.6259, 0.3694,
0.5355

■ 30.4462, 0.2587,
0.2092

■ 19.3750, 0.3674,
0.5462

■ 31.6623, 0.2531,
0.1982

Harmonies

Analogous

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



23.1765, 0.3331, 0.3512



23.1765, 0.3219, 0.3522



23.1765, 0.3084, 0.3466

Triad

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



23.1765, 0.3219, 0.3522



23.1765, 0.2872, 0.3131



23.1765, 0.3293, 0.3219

Complementary

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



23.1765, 0.3219, 0.3522



19.7558, 0.3030, 0.3054

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.



23.1765, 0.3167, 0.3123



23.1765, 0.3219, 0.3522



23.1765, 0.2925, 0.3071

Square

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



23.1765, 0.3219, 0.3522



23.1765, 0.2885, 0.3237



23.1765, 0.3032, 0.3069



23.1765, 0.3375, 0.3335

Rectangle

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



23.1765, 0.3219, 0.3522



23.1765, 0.2999, 0.3399



23.1765, 0.3032, 0.3069



23.1765, 0.3254, 0.3184

Sweetspot

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



23.1775, 0.3219, 0.3522



41.6234, 0.3156, 0.3362



21.0911, 0.3283, 0.3360



9.3571, 0.3163, 0.3379



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.



23.1775, 0.3219, 0.3522



40.5430, 0.3243, 0.3586



22.6867, 0.3145, 0.3527



5.3531, 0.3213, 0.3508



18.1556, 0.3675, 0.5464



0.0668, 0.3926, 0.5265

Inverse Universe

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



19.7558, 0.3030, 0.3054



33.0516, 0.3001, 0.2988



20.2534, 0.3106, 0.3060



4.6089, 0.3036, 0.3069



2.0638, 0.1737, 0.0731



0.0106, 0.2193, 0.0982

Previews

White Background



This preview shows how the Yxy color 23.1765, 0.3219, 0.3522 looks on a white background.

Color Contrast Check

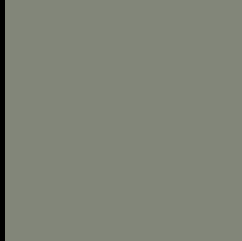
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1765, 0.3219, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

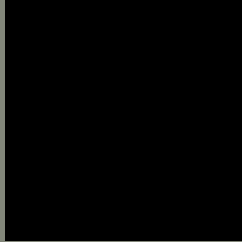
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

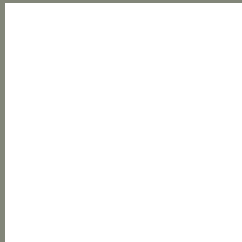
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.1765, 0.3219, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 23.1765, 0.3219, 0.3522.

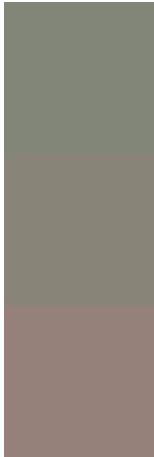


This preview shows how white text looks on a background with the Yxy color 23.1765, 0.3219, 0.3522.

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

23.1765, 0.3219, 0.3522

Protanopia

23.1770, 0.3316, 0.3500

Deuteranopia

23.2330, 0.3449, 0.3391



Tritanopia

23.1422, 0.3045, 0.3118

Trichromacy



Original Color

23.1765, 0.3219, 0.3522

Protanomaly

23.1995, 0.3278, 0.3519

Deuteranomaly

23.1212, 0.3358, 0.3428

Tritanomaly

23.1293, 0.3106, 0.3255

Monochromacy



Original Color

23.1765, 0.3219, 0.3522

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.8601, 0.3169, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1765, 0.3219, 0.3522 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(130, 134, 121)` looks like.

```
.text, #text, p{  
    color:rgb(130, 134, 121)  
}
```

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(130, 134, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 134, 121) }
```

Border

The CSS property to change the border of an element to Yxy 23.1765, 0.3219, 0.3522 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(130, 134, 121) }
```

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

```
.border{ border-color:rgb(130, 134, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 134, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 134, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 134, 121);  
box-shadow:4px 4px 4px 4px rgb(130, 134,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1765, 0.3219, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 134, 121) }
```

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

```
.background{ background-color: rgb(130,  
134, 121) }
```

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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