

Converting Colors

$Y_{xy}(22.1950, 0.3355, 0.3501)$

Have a look what the booklet for
Yxy(22.1950, 0.3355, 0.3501)
contains.

Yxy(22.3032, 0.3357, 0.3502)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3032, 0.3357, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	898175
RGB	137, 129, 117
RGB Percent	54%, 51%, 46%
CMY	0.4627, 0.4941, 0.5412
CMYK	0.00, 0.06, 0.15, 0.46
HSL	36°, 8%, 50%
HSV	36°, 15%, 54%
XYZ	21.3797, 22.3032, 20.0041
YIQ	130.0240, 8.6200, -2.0360

Conversions

Conversions Part 2

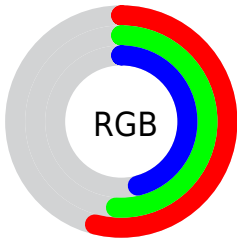
Format	Color
R_{YB}	130, 137, 117
Decimal	9011573
CIE _{Lab}	54.35, 0.86, 7.59
CIE _{LCh}	54, 7.640, 83.525
Yxy	22.3032, 0.3357, 0.3502
Android (android.graphics.Color)	4287201653 (0xFF898175)
YUV	130.0240, -6.4208, 6.1180
Hunter-Lab	47.2263, -1.8375, 7.9443

Details

The Yxy color $22.3032, 0.3357, 0.3502$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $20.2587, 0.2906, 0.3069$, and the grayscale version is $22.3540, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2676, 0.3302, 0.3458$, and $8.1932, 0.3444, 0.3584$ is the 20% darker color. If you saturate the color by 10%, you get $20.5977, 0.3536, 0.3655$, and if you desaturate by 10%, it is $24.1355, 0.3196, 0.3355$.

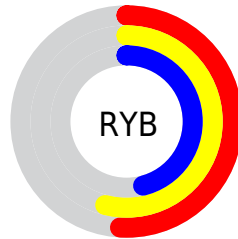
Distribution



Red (54%)

Green (51%)

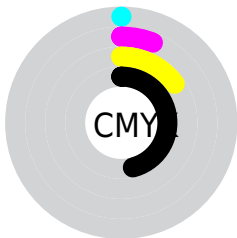
Blue (46%)



Red (51%)

Yellow (54%)

Blue (46%)

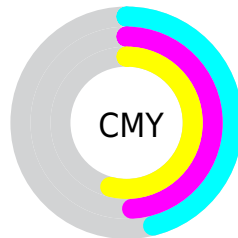


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (46%)



Cyan (46%)


Magenta (49%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3032, 0.3357, 0.3502 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 22.3032, 0.3357, 0.3502 by changing the saturation by 10% instead.


 22.3032, 0.3357,
0.3502


 22.3032, 0.3357,
0.3502


264.1256, 0.3228,
0.3383


 14.0799, 0.3395,
0.3537


 47.2466, 0.3306,
0.3455

 8.1762, 0.3448,
0.3585


 64.7355, 0.3288,
0.3439

 4.2079, 0.3528,
0.3657

 86.0816, 0.3274,
0.3426

 1.7905, 0.3658,
0.3774

111.6695, 0.3261,
0.3414

 0.4813, 0.4985,
0.5015

141.8834, 0.3251,
0.3405

 0.0000, 0.0000,
0.0000

177.1078, 0.3242,

0.3397

217.7271, 0.3235,
0.3390

■ 22.3032, 0.3357,
0.3502

■ 22.3032, 0.3357,
0.3502

■ 20.5977, 0.3536,
0.3655

■ 24.1355, 0.3196,
0.3355

■ 19.0129, 0.3732,
0.3809

■ 26.0948, 0.3052,
0.3216

■ 17.5463, 0.3944,
0.3961

■ 28.1850, 0.2924,
0.3087

■ 16.1942, 0.4167,
0.4101

■ 30.4090, 0.2811,
0.2967

■ 14.9528, 0.4394,
0.4219

■ 32.7695, 0.2710,
0.2856

■ 13.8178, 0.4615,
0.4306

■ 35.2693, 0.2621,
0.2755

■ 12.7845, 0.4820,
0.4351

■ 37.9107, 0.2543,
0.2662

■ 11.8471, 0.4998,
0.4349

■ 40.6964, 0.2473,
0.2577

■ 11.3751, 0.5092,
0.4339

■ 43.6287, 0.2411,
0.2499

Harmonies

Analogous

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



22.3032, 0.3397, 0.3418



22.3032, 0.3357, 0.3502



22.3032, 0.3255, 0.3530

Triad

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



22.3032, 0.3357, 0.3502



22.3032, 0.2897, 0.3269



22.3032, 0.3130, 0.3101

Complementary

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



22.3032, 0.3357, 0.3502



20.2587, 0.2906, 0.3069

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.



22.3032, 0.2997, 0.3060



22.3032, 0.3357, 0.3502



22.3032, 0.2865, 0.3153

Square

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



22.3032, 0.3357, 0.3502



22.3032, 0.2989, 0.3394



22.3032, 0.2901, 0.3078



22.3032, 0.3264, 0.3189

Rectangle

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



22.3032, 0.3357, 0.3502



22.3032, 0.3166, 0.3511



22.3032, 0.2901, 0.3078



22.3032, 0.3083, 0.3081

Sweetspot

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



22.3042, 0.3357, 0.3502



43.3879, 0.3188, 0.3348



19.5296, 0.3283, 0.3143



9.6803, 0.3198, 0.3357



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.



22.3042, 0.3357, 0.3502



38.7490, 0.3423, 0.3559



24.3619, 0.3318, 0.3640



5.5143, 0.3267, 0.3421



10.6160, 0.5088, 0.4342



0.0993, 0.4613, 0.4720

Inverse Universe

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



20.2587, 0.2906, 0.3069



34.2585, 0.2846, 0.3005



18.4247, 0.2921, 0.2919



5.1997, 0.2991, 0.3156



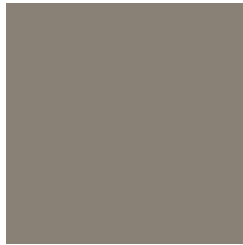
4.2393, 0.1698, 0.1313



0.0555, 0.1926, 0.2134

Previews

White Background



This preview shows how the Yxy color 22.3032, 0.3357, 0.3502 looks on a white background.

Color Contrast Check

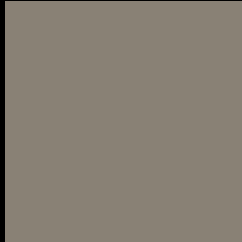
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3032, 0.3357, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

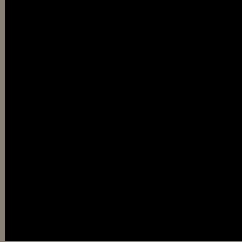
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

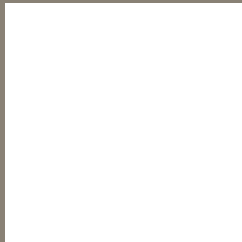
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3032, 0.3357, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 22.3032, 0.3357, 0.3502.



This preview shows how white text looks on a background with the Yxy color 22.3032, 0.3357, 0.3502.

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

22.3032, 0.3357, 0.3502

Protanopia

22.4005, 0.3330, 0.3521

Deuteranopia

22.1783, 0.3480, 0.3410



Tritanopia

22.2747, 0.3183, 0.3120

Trichromacy



Original Color

22.3032, 0.3357, 0.3502

Protanomaly

22.4839, 0.3342, 0.3520

Deuteranomaly

22.0694, 0.3427, 0.3429

Tritanomaly

22.2527, 0.3248, 0.3256

Monochromacy



Original Color

22.3032, 0.3357, 0.3502

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4325, 0.3217, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3032, 0.3357, 0.3502 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(137, 129, 117)` looks like.

```
.text, #text, p{  
    color:rgb(137, 129, 117)  
}
```

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(137, 129, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 129, 117) }
```

Border

The CSS property to change the border of an element to Yxy 22.3032, 0.3357, 0.3502 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(137, 129, 117) }
```

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

```
.border{ border-color:rgb(137, 129, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 129, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 129, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 129, 117);  
box-shadow:4px 4px 4px 4px rgb(137, 129,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3032, 0.3357, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 129, 117) }
```

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

```
.background{ background-color: rgb(137,  
129, 117) }
```

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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