

Converting Colors

$Y_{xy}(22.7511, 0.3469, 0.3525)$

Have a look what the booklet for
Yxy(22.7511, 0.3469, 0.3525)
contains.

Yxy(22.8676, 0.3466, 0.3531)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8676, 0.3466, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	908173
RGB	144, 129, 115
RGB Percent	56%, 51%, 45%
CMY	0.4353, 0.4941, 0.5490
CMYK	0.00, 0.10, 0.20, 0.44
HSL	29°, 12%, 51%
HSV	29°, 20%, 56%
XYZ	22.4466, 22.8676, 19.4481
YIQ	131.8890, 13.4340, -1.1740

Conversions

Conversions Part 2

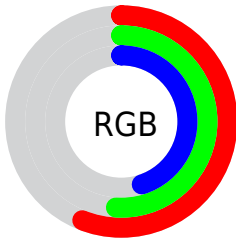
Format	Color
RYB	144, 142, 115
Decimal	9470323
CIELab	54.94, 3.30, 9.67
CIELCh	55, 10.217, 71.148
Yxy	22.8676, 0.3466, 0.3531
Android (android.graphics.Color)	4287660403 (0xFF908173)
YUV	131.8890, -8.3263, 10.6213
Hunter-Lab	47.8201, 0.1024, 9.3612

Details

The Yxy color **22.8676, 0.3466, 0.3531** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.6224, 0.2821, 0.3036**, and the grayscale version is **23.0598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2517, 0.3389, 0.3480**, and **8.4697, 0.3593, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **20.6716, 0.3669, 0.3658**, and if you desaturate by 10%, it is **25.2604, 0.3287, 0.3408**.

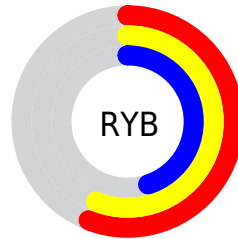
Distribution



Red (56%)

Green (51%)

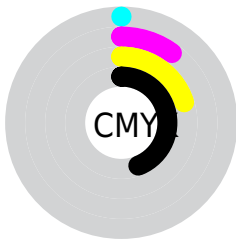
Blue (45%)



Red (56%)

Yellow (56%)

Blue (45%)

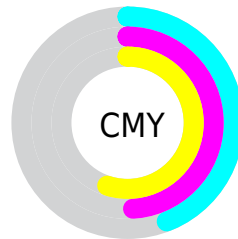


Cyan (0%)

Magenta (10%)

Yellow (20%)

Black (44%)



Cyan (44%)

Magenta (49%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8676, 0.3466, 0.3531 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 22.8676, 0.3466, 0.3531 by changing the saturation by 10% instead.

■ 22.8676, 0.3466,
0.3531

■ 22.8676, 0.3466,
0.3531

267.0442, 0.3276,
0.3398

■ 14.4958, 0.3522,
0.3569

■ 48.1758, 0.3391,
0.3479

■ 8.4663, 0.3600,
0.3621

■ 65.8810, 0.3365,
0.3461

■ 4.3947, 0.3715,
0.3697

■ 87.4661, 0.3343,
0.3446

■ 1.8967, 0.3903,
0.3816

113.3156, 0.3325,
0.3433

■ 0.5464, 0.5233,
0.4767

143.8137, 0.3310,
0.3422

■ 0.0000, 0.0000,
0.0000

179.3449, 0.3297,

0.3413

220.2936, 0.3286,
0.3405

■ 22.8676, 0.3466,
0.3531

■ 22.8676, 0.3466,
0.3531

■ 20.6716, 0.3669,
0.3658

■ 25.2604, 0.3287,
0.3408

■ 18.6640, 0.3897,
0.3784

■ 27.8522, 0.3129,
0.3292

■ 16.8400, 0.4147,
0.3904

■ 30.6489, 0.2992,
0.3183

■ 15.1937, 0.4415,
0.4009

■ 33.6553, 0.2873,
0.3082

■ 13.7184, 0.4691,
0.4087

■ 36.8760, 0.2768,
0.2989

■ 12.4072, 0.4961,
0.4127

■ 40.3154, 0.2678,
0.2904

■ 11.2523, 0.5207,
0.4118

■ 43.9779, 0.2598,
0.2827

■ 10.2524, 0.5428,
0.4072

■ 47.8675, 0.2528,
0.2755

■ 51.9884, 0.2467,
0.2690

Harmonies

Analogous

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



22.8676, 0.3480, 0.3398



22.8676, 0.3466, 0.3531



22.8676, 0.3360, 0.3604

Triad

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



22.8676, 0.3466, 0.3531



22.8676, 0.2864, 0.3331



22.8676, 0.3054, 0.3010

Complementary

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



22.8676, 0.3466, 0.3531



21.6224, 0.2821, 0.3036

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.



22.8676, 0.2894, 0.2987



22.8676, 0.3466, 0.3531



22.8676, 0.2787, 0.3166

Square

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



22.8676, 0.3466, 0.3531



22.8676, 0.3011, 0.3489



22.8676, 0.2798, 0.3041



22.8676, 0.3238, 0.3103

Rectangle

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



22.8676, 0.3466, 0.3531



22.8676, 0.3252, 0.3605



22.8676, 0.2798, 0.3041



22.8676, 0.2996, 0.2994

Sweetspot

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



22.8686, 0.3466, 0.3531



46.3461, 0.3221, 0.3360



19.8140, 0.3313, 0.3026



10.5696, 0.3230, 0.3367



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.



22.8686, 0.3466, 0.3531



38.6063, 0.3551, 0.3586



26.8238, 0.3423, 0.3759



5.8269, 0.3270, 0.3396



8.9740, 0.5419, 0.4079



0.1296, 0.4796, 0.4574

Inverse Universe

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



21.6224, 0.2821, 0.3036



36.0138, 0.2752, 0.2975



18.1398, 0.2805, 0.2773



5.6873, 0.2990, 0.3181



6.1199, 0.1799, 0.1677



0.1026, 0.2008, 0.2429

Previews

White Background



This preview shows how the Yxy color 22.8676, 0.3466, 0.3531 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 22.8676, 0.3466, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

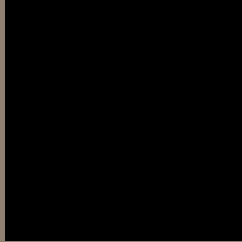
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

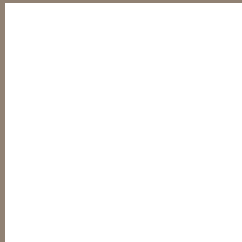
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8676, 0.3466, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 22.8676, 0.3466, 0.3531.



This preview shows how white text looks on a background with the Yxy color 22.8676, 0.3466, 0.3531.

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

22.8676, 0.3466, 0.3531

Protanopia

22.8119, 0.3363, 0.3554

Deuteranopia

22.9006, 0.3547, 0.3492



Tritanopia

22.9023, 0.3266, 0.3125

Trichromacy



Original Color

22.8676, 0.3466, 0.3531

Protanomaly

22.8017, 0.3402, 0.3534

Deuteranomaly

22.9720, 0.3519, 0.3510

Tritanomaly

22.8482, 0.3344, 0.3274

Monochromacy



Original Color

22.8676, 0.3466, 0.3531

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9732, 0.3240, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8676, 0.3466, 0.3531 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(144, 129, 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(144, 129, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 129, 115) }
```

Border

The CSS property to change the border of an element to Yxy 22.8676, 0.3466, 0.3531 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, 115) }
```

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

```
.border{ border-color:rgb(144, 129, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 129, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 129, 115); box-shadow:4px 4px 4px 4px rgb(144, 129, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8676, 0.3466, 0.3531 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, 115) }
```

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

```
.background{ background-color: rgb(144,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor