

Converting Colors

$Y_{xy}(22.2134, 0.3511, 0.4118)$

Have a look what the booklet for
Yxy(22.2134, 0.3511, 0.4118)
contains.

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Color

Yxy(22.2071, 0.3514, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	7E8659
RGB	126, 134, 89
RGB Percent	49%, 53%, 35%
CMY	0.5059, 0.4745, 0.6510
CMYK	0.06, 0.00, 0.34, 0.47
HSL	71°, 20%, 44%
HSV	71°, 34%, 53%
XYZ	18.9315, 22.2071, 12.7359
YIQ	126.4780, 9.6770, -15.6910

Conversions

Conversions Part 2

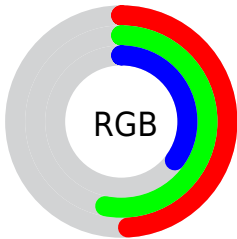
Format	Color
R_{YB}	89, 134, 97
Decimal	8291929
CIE _{Lab}	54.25, -10.78, 23.30
CIE _{LCh}	54, 25.677, 114.831
Yxy	22.2071, 0.3514, 0.4122
Android (android.graphics.Color)	4286482009 (0xFF7E8659)
YUV	126.4780, -18.4767, -0.4192
Hunter-Lab	47.1244, -10.7580, 16.9632

Details

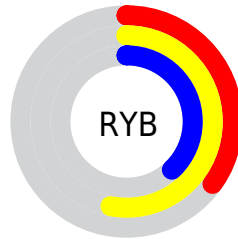
The Yxy color $22.2071, 0.3514, 0.4122$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.4044, 0.2651, 0.2362$, and the grayscale version is $21.0971, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9884, 0.3437, 0.3937$, and $8.0516, 0.3633, 0.4441$ is the 20% darker color. If you saturate the color by 10%, you get $21.8241, 0.3620, 0.4372$, and if you desaturate by 10%, it is $22.6374, 0.3400, 0.3868$.

Distribution



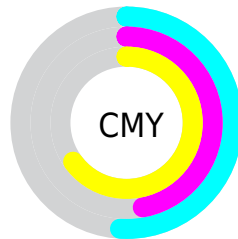
- Red (49%)
- Green (53%)
- Blue (35%)



- Red (35%)
- Yellow (53%)
- Blue (38%)



- Cyan (6%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)




- Cyan (51%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2071, 0.3514, 0.4122 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 22.2071, 0.3514, 0.4122 by changing the saturation by 10% instead.


 22.2071, 0.3514,
0.4122


 22.2071, 0.3514,
0.4122


263.6259, 0.3306,
0.3646


 14.0092, 0.3569,
0.4264

 47.0881, 0.3436,
0.3933

 8.1270, 0.3639,
0.4463


 64.5398, 0.3407,
0.3867

 4.1763, 0.3728,
0.4755

 85.8450, 0.3383,
0.3813

 1.7727, 0.4114,
0.5608

 111.3880, 0.3363,
0.3768

 0.4701, 0.2808,
0.7192

 141.5532, 0.3345,
0.3731

 0.0000, 0.0000,
0.0000

176.7250, 0.3330,

0.3698

217.2878, 0.3317,
0.3671

■ 22.2071, 0.3514,
0.4122

■ 22.2071, 0.3514,
0.4122

■ 21.8241, 0.3620,
0.4372

■ 22.6374, 0.3400,
0.3868

■ 21.4831, 0.3715,
0.4608

■ 23.1142, 0.3284,
0.3616

■ 21.1827, 0.3792,
0.4821

■ 23.6402, 0.3168,
0.3374


■ 20.9201, 0.3849,
0.5001


■ 24.2175, 0.3056,
0.3145

■ 20.6922, 0.3882,
0.5142


■ 24.8476, 0.2948,
0.2931


 20.4953, 0.3890,
0.5240

 25.5323, 0.2848,
0.2734

 20.3775, 0.3890,
0.5293

 26.2731, 0.2754,
0.2554

 27.0716, 0.2667,
0.2391

 27.9291, 0.2587,
0.2242

Harmonies

Analogous

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



22.2071, 0.3879, 0.3989



22.2071, 0.3514, 0.4122



22.2071, 0.3061, 0.3995

Triad

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



22.2071, 0.3514, 0.4122



22.2071, 0.2287, 0.2796



22.2071, 0.3603, 0.2972

Complementary

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



22.2071, 0.3514, 0.4122



11.4044, 0.2651, 0.2362

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.



22.2071, 0.3140, 0.2702



22.2071, 0.3514, 0.4122



22.2071, 0.2404, 0.2588

Square

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



22.2071, 0.3514, 0.4122



22.2071, 0.2370, 0.3171



22.2071, 0.2706, 0.2563



22.2071, 0.3944, 0.3322

Rectangle

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



22.2071, 0.3514, 0.4122



22.2071, 0.2773, 0.3769



22.2071, 0.2706, 0.2563



22.2071, 0.3455, 0.2870

Sweetspot

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



22.2081, 0.3514, 0.4122



41.0244, 0.3245, 0.3533



14.2448, 0.3825, 0.3435



9.2181, 0.3258, 0.3562



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.



22.2081, 0.3514, 0.4122



38.6246, 0.3592, 0.4305



20.7152, 0.3249, 0.4197



5.3823, 0.3232, 0.3506



19.0992, 0.3891, 0.5292



0.0689, 0.4046, 0.5169

Inverse Universe

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



11.4044, 0.2651, 0.2362



16.6803, 0.2525, 0.2128



12.7853, 0.2950, 0.2436



4.5815, 0.3017, 0.3068



1.7968, 0.1600, 0.0655



0.0085, 0.1926, 0.0835

Previews

White Background



This preview shows how the Yxy color 22.2071, 0.3514, 0.4122 looks on a white background.

Color Contrast Check

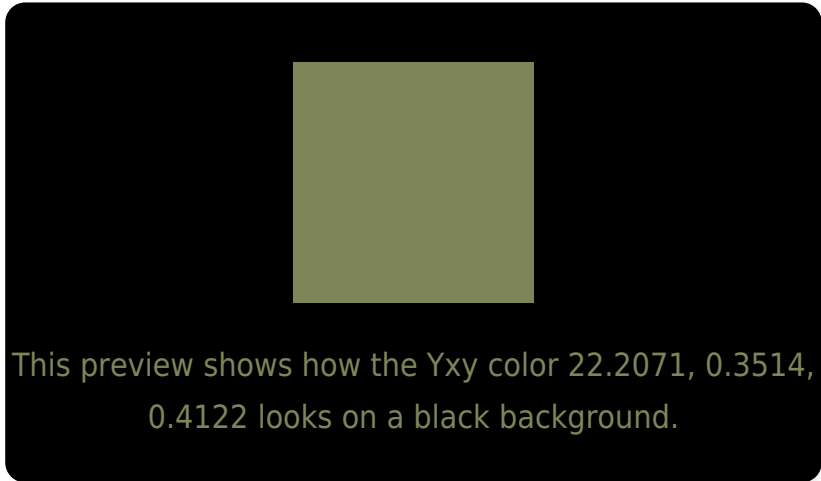
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

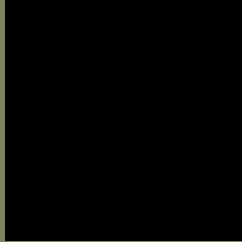
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2071, 0.3514, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 22.2071, 0.3514, 0.4122.



This preview shows how white text looks on a background with the Yxy color 22.2071, 0.3514, 0.4122.

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

22.2071, 0.3514, 0.4122

Protanopia

22.2288, 0.3732, 0.4044

Deuteranopia

22.0407, 0.3904, 0.3838



Tritanopia

22.1789, 0.3066, 0.3116

Trichromacy



Original Color

22.2071, 0.3514, 0.4122

Protanomaly

22.0881, 0.3652, 0.4060

Deuteranomaly

22.1058, 0.3762, 0.3947

Tritanomaly

22.0672, 0.3236, 0.3470

Monochromacy



Original Color

22.2071, 0.3514, 0.4122

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3284, 0.3268, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2071, 0.3514, 0.4122 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(126, 134, 89)` looks like.

```
.text, #text, p{  
    color:rgb(126, 134, 89)  
}
```

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(126, 134, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 134, 89) }
```

Border

The CSS property to change the border of an element to Yxy 22.2071, 0.3514, 0.4122 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(126, 134, 89) }
```

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

```
.border{ border-color:rgb(126, 134, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 134, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 134, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 134, 89);  
box-shadow:4px 4px 4px 4px rgb(126, 134,  
89) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2071, 0.3514, 0.4122$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 134, 89) }
```

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

```
.background{ background-color: rgb(126,  
134, 89) }
```

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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