

Converting Colors

$Y_{xy}(25.8561, 0.3501, 0.4342)$

Have a look what the booklet for
Yxy(25.8561, 0.3501, 0.4342)
contains.

Yxy(25.8351, 0.3505, 0.4332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.8351, 0.3505, 0.4332)

Conversions

Conversions Part 1

Format	Color
Hex	809257
RGB	128, 146, 87
RGB Percent	50%, 57%, 34%
CMY	0.4980, 0.4275, 0.6589
CMYK	0.12, 0.00, 0.40, 0.43
HSL	78°, 25%, 46%
HSV	78°, 40%, 57%
XYZ	20.9031, 25.8351, 12.8997
YIQ	133.8920, 8.2110, -22.1650

Conversions

Conversions Part 2

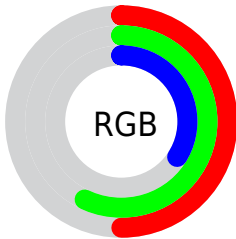
Format	Color
R_{YB}	87, 146, 105
Decimal	8426071
CIE _{Lab}	57.88, -16.64, 29.15
CIE _{LCh}	58, 33.568, 119.724
Yxy	25.8351, 0.3505, 0.4332
Android (android.graphics.Color)	4286616151 (0xFF809257)
YUV	133.8920, -23.1178, -5.1673
Hunter-Lab	50.8282, -15.5415, 20.5326

Details

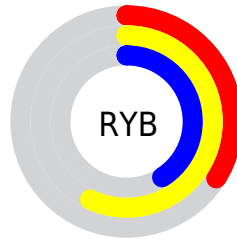
The Yxy color **25.8351, 0.3505, 0.4332** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.8919, 0.2620, 0.2161**, and the grayscale version is **23.8840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0886, 0.3437, 0.4097**, and **9.9573, 0.3610, 0.4719** is the 20% darker color. If you saturate the color by 10%, you get **25.2837, 0.3582, 0.4594**, and if you desaturate by 10%, it is **26.4522, 0.3417, 0.4064**.

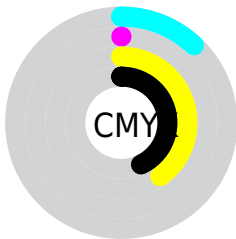
Distribution



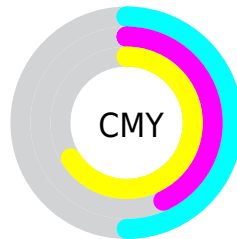
- Red (50%)
- Green (57%)
- Blue (34%)



- Red (34%)
- Yellow (57%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (43%)





- Cyan (50%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8351, 0.3505, 0.4332 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 25.8351, 0.3505, 0.4332 by changing the saturation by 10% instead.


 25.8351, 0.3505,
0.4332


 25.8351, 0.3505,
0.4332


281.9717, 0.3314,
0.3745


 16.7003, 0.3549,
0.4502


 53.0088, 0.3437,
0.4102

 10.0211, 0.3600,
0.4734


 71.8165, 0.3411,
0.4020


 5.4129, 0.3653,
0.5066

 94.6173, 0.3388,
0.3954

 2.4915, 0.3870,
0.5854

 121.7956, 0.3369,
0.3898

 0.8724, 0.3265,
0.6735

 153.7358, 0.3353,
0.3851

 0.0000, 0.0000,
0.0000

190.8223, 0.3338,

0.3811

233.4394, 0.3325,
0.3776

■ 25.8351, 0.3505,
0.4332

■ 25.8351, 0.3505,
0.4332

■ 25.2837, 0.3582,
0.4594

■ 26.4522, 0.3417,
0.4064

■ 24.7915, 0.3643,
0.4839

■ 27.1343, 0.3323,
0.3798

■ 24.3561, 0.3684,
0.5056


■ 27.8855, 0.3227,
0.3542


■ 23.9737, 0.3702,
0.5235

■ 28.7080, 0.3131,
0.3300

■ 23.6397, 0.3696,
0.5368


■ 29.6044, 0.3038,
0.3075

 23.3539, 0.3674,
0.5465

 30.5768, 0.2949,
0.2868

 31.6274, 0.2865,
0.2680

 32.7583, 0.2787,
0.2509

 33.9713, 0.2715,
0.2356

Harmonies

Analogous

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



25.8351, 0.3988, 0.4190



25.8351, 0.3505, 0.4332



25.8351, 0.2945, 0.4126

Triad

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



25.8351, 0.3505, 0.4332



25.8351, 0.2112, 0.2617



25.8351, 0.3802, 0.2961

Complementary

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



25.8351, 0.3505, 0.4332



11.8919, 0.2620, 0.2161

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.



25.8351, 0.3234, 0.2620



25.8351, 0.3505, 0.4332



25.8351, 0.2289, 0.2412

Square

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



25.8351, 0.3505, 0.4332



25.8351, 0.2168, 0.3043



25.8351, 0.2683, 0.2423



25.8351, 0.4188, 0.3388

Rectangle

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



25.8351, 0.3505, 0.4332



25.8351, 0.2605, 0.3807



25.8351, 0.2683, 0.2423



25.8351, 0.3623, 0.2835

Sweetspot

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



25.8362, 0.3505, 0.4332



48.9422, 0.3245, 0.3587



16.8399, 0.3980, 0.3604



10.8540, 0.3255, 0.3616



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.



25.8362, 0.3505, 0.4332



44.7379, 0.3571, 0.4557



23.8866, 0.3187, 0.4446



6.6569, 0.3215, 0.3512



20.5637, 0.3677, 0.5462



0.2672, 0.3929, 0.5262

Inverse Universe

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



11.8919, 0.2620, 0.2161



16.8344, 0.2483, 0.1892



13.9750, 0.3009, 0.2278



5.7136, 0.3034, 0.3065



2.3177, 0.1729, 0.0726



0.0424, 0.2188, 0.0979

Previews

White Background



This preview shows how the Yxy color 25.8351, 0.3505, 0.4332 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 25.8351, 0.3505, 0.4332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

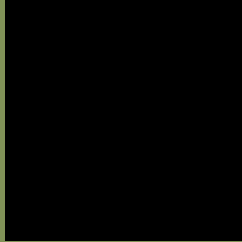
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8351, 0.3505, 0.4332

Background



This preview shows how black text looks on a background with the Yxy color 25.8351, 0.3505, 0.4332.



This preview shows how white text looks on a background with the Yxy color 25.8351, 0.3505, 0.4332.

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

25.8351, 0.3505, 0.4332

Protanopia

25.7807, 0.3856, 0.4180

Deuteranopia

25.7287, 0.4016, 0.3949



Tritanopia

25.9015, 0.2987, 0.3108

Trichromacy



Original Color

25.8351, 0.3505, 0.4332

Protanomaly

25.8415, 0.3719, 0.4245

Deuteranomaly

25.6705, 0.3824, 0.4085

Tritanomaly

25.8649, 0.3180, 0.3548

Monochromacy



Original Color

25.8351, 0.3505, 0.4332

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.3668, 0.3277, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8351, 0.3505, 0.4332 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(128, 146, 87)` looks like.

```
.text, #text, p{  
    color:rgb(128, 146, 87)  
}
```

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(128, 146, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 146, 87) }
```

Border

The CSS property to change the border of an element to Yxy 25.8351, 0.3505, 0.4332 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(128, 146, 87) }
```

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

```
.border{ border-color:rgb(128, 146, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 146, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 146, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 146, 87);  
box-shadow:4px 4px 4px 4px rgb(128, 146,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8351, 0.3505, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 146, 87) }
```

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

```
.background{ background-color: rgb(128,  
146, 87) }
```

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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