

Converting Colors

$Y_{xy}(10.1005, 0.3210, 0.3986)$

Have a look what the booklet for
Yxy(10.1005, 0.3210, 0.3986)
contains.

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Color

$Y_{xy}(10.1506, 0.3200, 0.3987)$

Conversions

Conversions Part 1

Format	Color
Hex	4C5F45
RGB	76, 95, 69
RGB Percent	30%, 37%, 27%
CMY	0.7020, 0.6274, 0.7294
CMYK	0.20, 0.00, 0.27, 0.63
HSL	104°, 16%, 32%
HSV	104°, 27%, 37%
XYZ	8.1470, 10.1506, 7.1617
YIQ	86.3550, -2.9780, -12.1140

Conversions

Conversions Part 2

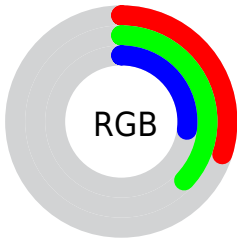
Format	Color
RYB	69, 95, 88
Decimal	5005125
CIELab	38.11, -12.78, 12.56
CIELCh	38, 17.923, 135.496
Yxy	10.1506, 0.3200, 0.3987
Android (android.graphics.Color)	4283195205 (0xFF4C5F45)
YUV	86.3550, -8.5560, -9.0813
Hunter-Lab	31.8600, -10.1106, 8.9744

Details

The Yxy color **10.1506, 0.3200, 0.3987** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1593, 0.3027, 0.2636**, and the grayscale version is **9.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2021, 0.3186, 0.3804**, and **2.5625, 0.3197, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **9.7730, 0.3220, 0.4280**, and if you desaturate by 10%, it is **10.5787, 0.3175, 0.3712**.

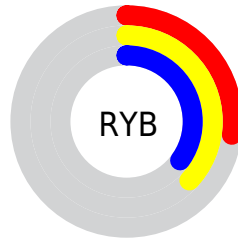
Distribution



Red (30%)

Green (37%)

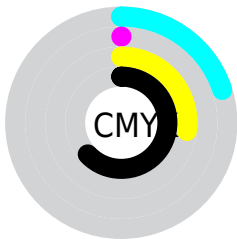
Blue (27%)



Red (27%)

Yellow (37%)

Blue (35%)

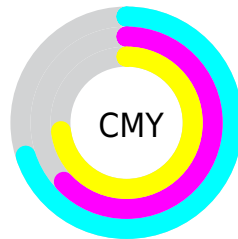


Cyan (20%)

Magenta (0%)

Yellow (27%)

Black (63%)



Cyan (70%)


Magenta (63%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1506, 0.3200, 0.3987 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 10.1506, 0.3200, 0.3987 by changing the saturation by 10% instead.


 10.1506, 0.3200,
0.3987


 10.1506, 0.3200,
0.3987


191.7436, 0.3161,
0.3540


 5.4989, 0.3208,
0.4158

 26.0784, 0.3186,
0.3789


 2.5429, 0.3211,
0.4438


 38.1233, 0.3181,
0.3727

 0.8980, 0.3518,
0.5835

 53.4014, 0.3176,
0.3679

 0.0000, 0.0000,
0.0000

 72.2970, 0.3172,
0.3640

 95.1947, 0.3169,
0.3608

122.4788, 0.3166,

0.3582

154.5336, 0.3163,
0.3559

■ 10.1506, 0.3200,
0.3987

■ 10.1506, 0.3200,
0.3987

■ 9.7730, 0.3220,
0.4280

■ 10.5787, 0.3175,
0.3712

■ 9.4427, 0.3235,
0.4585

■ 11.0578, 0.3148,
0.3460

■ 9.1582, 0.3240,
0.4890

■ 11.5899, 0.3120,
0.3232

■ 8.9174, 0.3236,
0.5181

■ 12.1767, 0.3091,
0.3028

■ 8.7178, 0.3219,
0.5442

■ 12.8197, 0.3063,
0.2846

■ 8.5569, 0.3191,
0.5655

■ 13.5204, 0.3036,
0.2685

■ 8.4285, 0.3160,
0.5831

■ 14.2802, 0.3010,
0.2543

■ 8.3984, 0.3154,
0.5878

■ 15.1004, 0.2985,
0.2417

■ 15.9824, 0.2962,
0.2306

Harmonies

Analogous

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



10.1506, 0.3598, 0.4029



10.1506, 0.3200, 0.3987



10.1506, 0.2799, 0.3714

Triad

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



10.1506, 0.3200, 0.3987



10.1506, 0.2415, 0.2693



10.1506, 0.3790, 0.3218

Complementary

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



10.1506, 0.3200, 0.3987



7.1593, 0.3027, 0.2636

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.



10.1506, 0.3434, 0.2913



10.1506, 0.3200, 0.3987



10.1506, 0.2643, 0.2616

Square

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



10.1506, 0.3200, 0.3987



10.1506, 0.2364, 0.2936



10.1506, 0.3010, 0.2698



10.1506, 0.3956, 0.3556

Rectangle

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



10.1506, 0.3200, 0.3987



10.1506, 0.2583, 0.3450



10.1506, 0.3010, 0.2698



10.1506, 0.3687, 0.3110

Sweetspot

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



10.1510, 0.3200, 0.3987



18.8621, 0.3150, 0.3481



9.7830, 0.3550, 0.3753



4.4973, 0.3154, 0.3508



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.1510, 0.3200, 0.3987



16.9470, 0.3214, 0.4179



9.9535, 0.3018, 0.3849



2.8856, 0.3152, 0.3498



11.9110, 0.3142, 0.5887



63.2483, 0.3106, 0.5915

Inverse Universe

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



7.1593, 0.3027, 0.2636



10.8657, 0.2996, 0.2470



7.4181, 0.3259, 0.2789



2.5971, 0.3100, 0.3087



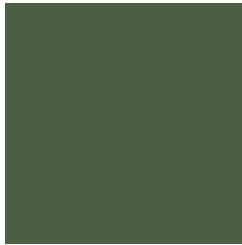
2.9699, 0.2566, 0.1187



15.4182, 0.2527, 0.1166

Previews

White Background



This preview shows how the Yxy color 10.1506, 0.3200, 0.3987 looks on a white background.

Color Contrast Check

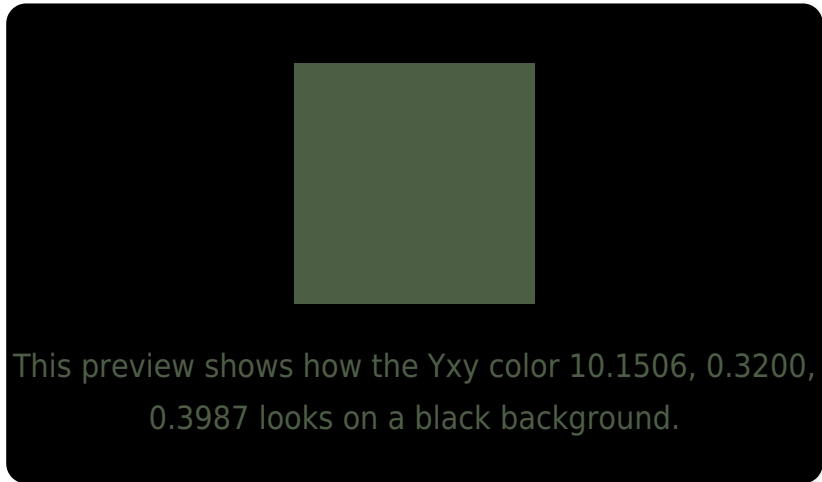
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

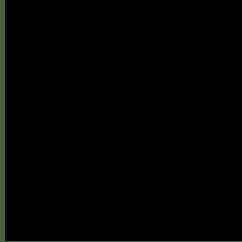
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1506, 0.3200, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 10.1506, 0.3200, 0.3987.



This preview shows how white text looks on a background with the Yxy color 10.1506, 0.3200, 0.3987.

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

10.1506, 0.3200, 0.3987

Protanopia

10.0249, 0.3608, 0.3856

Deuteranopia

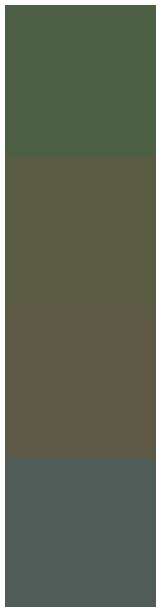
10.0536, 0.3687, 0.3644



Tritanopia

10.1133, 0.2876, 0.3115

Trichromacy



Original Color

10.1506, 0.3200, 0.3987

Protanomaly

10.0113, 0.3458, 0.3901

Deuteranomaly

9.9666, 0.3509, 0.3763

Tritanomaly

10.0047, 0.2998, 0.3419

Monochromacy



Original Color

10.1506, 0.3200, 0.3987

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.5178, 0.3149, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1506, 0.3200, 0.3987 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(76, 95, 69)` looks like.

```
.text, #text, p{  
    color:rgb(76, 95, 69)  
}
```

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(76, 95, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 95, 69) }
```

Border

The CSS property to change the border of an element to Yxy 10.1506, 0.3200, 0.3987 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(76, 95, 69) }
```

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

```
.border{ border-color:rgb(76, 95, 69) }
```

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

Here you see how a box with a 4 pixel rgb(76, 95, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 95, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 95, 69);  
box-shadow:4px 4px 4px 4px rgb(76, 95, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1506, 0.3200, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 95, 69) }
```

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

```
.background{ background-color: rgb(76, 95,  
69) }
```

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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