

Converting Colors

$Y_{xy}(18.7302, 0.3551, 0.3990)$

Have a look what the booklet for
Yxy(18.7302, 0.3551, 0.3990)
contains.

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Color

Yxy(18.7285, 0.3551, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	7A7A56
RGB	122, 122, 86
RGB Percent	48%, 48%, 34%
CMY	0.5215, 0.5216, 0.6627
CMYK	0.00, 0.00, 0.30, 0.52
HSL	60°, 17%, 41%
HSV	60°, 30%, 48%
XYZ	16.6679, 18.7285, 11.5422
YIQ	117.8960, 11.5560, -11.1960

Conversions

Conversions Part 2

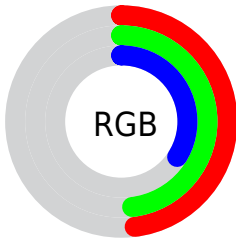
Format	Color
R _{YB}	86, 122, 86
Decimal	8026710
CIE Lab	50.37, -6.20, 19.77
CIE LCh	50, 20.724, 107.416
Yxy	18.7285, 0.3551, 0.3990
Android (android.graphics.Color)	4286216790 (0xFF7A7A56)
YUV	117.8960, -15.7247, 3.5992
Hunter-Lab	43.2764, -6.9846, 14.4803

Details

The Yxy color **18.7285, 0.3551, 0.3990** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.0458, 0.2636, 0.2479**, and the grayscale version is **18.1314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1636, 0.3460, 0.3822**, and **6.3348, 0.3728, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **18.5469, 0.3691, 0.4222**, and if you desaturate by 10%, it is **18.9454, 0.3406, 0.3751**.

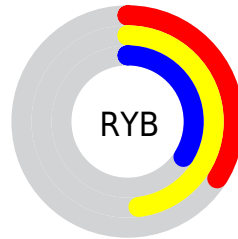
Distribution



Red (48%)

Green (48%)

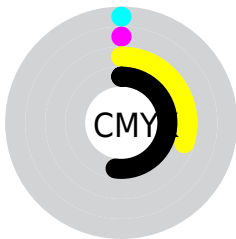
Blue (34%)



Red (34%)

Yellow (48%)

Blue (34%)

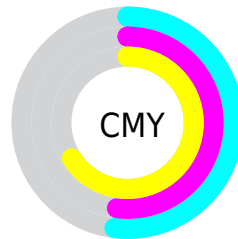


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (52%)



Cyan (52%)


Magenta (52%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7285, 0.3551, 0.3990 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 18.7285, 0.3551, 0.3990 by changing the saturation by 10% instead.


 18.7285, 0.3551,
0.3990


 18.7285, 0.3551,
0.3990


244.9458, 0.3312,
0.3583


 11.4743, 0.3620,
0.4116


 41.2748, 0.3458,
0.3826

 6.3868, 0.3713,
0.4294


 57.3357, 0.3424,
0.3769


 3.0817, 0.3842,
0.4563

 77.1009, 0.3397,
0.3723

 1.1745, 0.4454,
0.5546

 100.9548, 0.3375,
0.3686

 0.0407, 0.0000,
1.0000

 129.2819, 0.3356,
0.3654

 0.0000, 0.0000,
0.0000

162.4665, 0.3339,

0.3627

200.8930, 0.3325,
0.3603

■ 18.7285, 0.3551,
0.3990

■ 18.7285, 0.3551,
0.3990

■ 18.5469, 0.3691,
0.4222

■ 18.9454, 0.3406,
0.3751

■ 18.3963, 0.3822,
0.4437

■ 19.1966, 0.3262,
0.3512

■ 18.2758, 0.3938,
0.4629

■ 19.4845, 0.3120,
0.3279

■ 18.1832, 0.4035,
0.4788

■ 19.8104, 0.2986,
0.3056

■ 18.1164, 0.4109,
0.4911

■ 20.1757, 0.2859,
0.2847

■ 18.0725, 0.4159,
0.4993

■ 20.5816, 0.2741,
0.2652

■ 18.0430, 0.4193,
0.5049

■ 21.0294, 0.2633,
0.2473

■ 18.0416, 0.4194,
0.5052

■ 21.5202, 0.2534,
0.2309

■ 22.0551, 0.2444,
0.2161

Harmonies

Analogous

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



18.7285, 0.3826, 0.3841



18.7285, 0.3551, 0.3990



18.7285, 0.3172, 0.3934

Triad

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



18.7285, 0.3551, 0.3990



18.7285, 0.2402, 0.2939



18.7285, 0.3442, 0.2950

Complementary

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



18.7285, 0.3551, 0.3990



10.0458, 0.2636, 0.2479

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.



18.7285, 0.3042, 0.2739



18.7285, 0.3551, 0.3990



18.7285, 0.2462, 0.2717

Square

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



18.7285, 0.3551, 0.3990



18.7285, 0.2520, 0.3287



18.7285, 0.2689, 0.2652



18.7285, 0.3768, 0.3244

Rectangle

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



18.7285, 0.3551, 0.3990



18.7285, 0.2915, 0.3775



18.7285, 0.2689, 0.2652



18.7285, 0.3311, 0.2868

Sweetspot

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



18.7293, 0.3551, 0.3990



33.7732, 0.3257, 0.3505



11.4780, 0.3732, 0.3279



7.7093, 0.3274, 0.3533



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



18.7293, 0.3551, 0.3990



32.7276, 0.3641, 0.4138



17.5767, 0.3320, 0.4046



4.6335, 0.3255, 0.3501



18.9873, 0.4194, 0.5052



90.5653, 0.4195, 0.5052

Inverse Universe

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



10.0458, 0.2636, 0.2479



15.0037, 0.2512, 0.2273



10.9709, 0.2881, 0.2532



3.8940, 0.2994, 0.3069



1.4814, 0.1500, 0.0601



7.0609, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 18.7285, 0.3551, 0.3990 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 18.7285, 0.3551, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

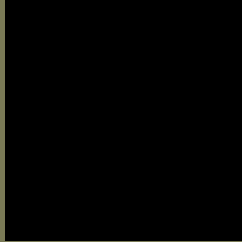
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

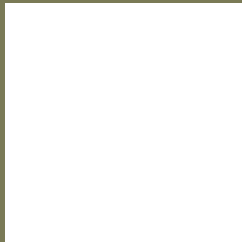
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.7285, 0.3551, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 18.7285, 0.3551, 0.3990.



This preview shows how white text looks on a background with the Yxy color 18.7285, 0.3551, 0.3990.

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

18.7285, 0.3551, 0.3990

Protanopia

18.7559, 0.3668, 0.3952

Deuteranopia

18.7168, 0.3840, 0.3773



Tritanopia

18.7410, 0.3148, 0.3124

Trichromacy



Original Color

18.7285, 0.3551, 0.3990

Protanomaly

18.7662, 0.3622, 0.3979

Deuteranomaly

18.7959, 0.3737, 0.3862

Tritanomaly

18.7013, 0.3299, 0.3442

Monochromacy



Original Color

18.7285, 0.3551, 0.3990

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1562, 0.3281, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7285, 0.3551, 0.3990 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(122, 122, 86)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 86)  
}
```

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(122, 122, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 86) }
```

Border

The CSS property to change the border of an element to Yxy 18.7285, 0.3551, 0.3990 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(122, 122, 86) }
```

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

```
.border{ border-color:rgb(122, 122, 86) }
```

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

Here you see how a box with a 4 pixel rgb(122, 122, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 86);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7285, 0.3551, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 86) }
```

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

```
.background{ background-color: rgb(122,  
122, 86) }
```

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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